

Appendix D-1: Green River Ranch Specific Plan Amendment Air Quality Impact Analysis

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Green River Ranch Specific Plan Amendment

SP00-001 AMENDMENT NO.1

AIR QUALITY IMPACT ANALYSIS

CITY OF CORONA

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LIST OF ABBREVIATED TERMS

%	Percent
°F	Degrees Fahrenheit
(1)	Reference
µg/m ³	Microgram per Cubic Meter
1992 CO Plan	<i>1992 Federal Attainment Plan for Carbon Monoxide</i>
<i>1993 CEQA Handbook</i>	<i>SCAQMD's CEQA Air Quality Handbook (1993)</i>
2016-2040 RTP/SCS	<i>2016-2040 Regional Transportation Plan/Sustainable Communities Strategy</i>
AB 2595	California Clean Air Act
AGSP	Airport Gateway Specific Plan
AQIA	Air Quality Impact Analysis
AQMP	Air Quality Management Plan
BAAQMD	Bay Area Air Quality Management District
BC	Black Carbon
<i>Brief</i>	Brief of Amicus Curiae by the SCAQMD in the Friant Ranch Case
C ₂ Cl ₄	Perchloroethylene
C ₄ H ₆	1,3-butadiene
C ₆ H ₆	Benzene
C ₂ H ₃ Cl	Vinyl Chloride
C ₂ H ₄ O	Acetaldehyde
CAA	Federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen	California Green Building Standards Code
CAP	Climate Action Plan
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
<i>CEQA Guidelines</i>	<i>2019 CEQA Statute and Guidelines</i>
CFR	Code of Federal Regulations
CH ₂ O	Formaldehyde
City	City of Corona

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 Reports
EMFAC	EMissions FAcTtor Model
EPA	Environmental Protection Agency
ETW	Equivalent Test Weight
GHG	Greenhouse Gas
GVWR	Gross Vehicle Weight Rating
H ₂ S	Hydrogen Sulfide
HDT	Heavy Duty Trucks
HI	Hazard Index
HHDT	Heavy-Heavy-Duty Trucks
hp	Horsepower
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
<i>LST Methodology</i>	Final Localized Significance Threshold Methodology
MATES	Multiple Air Toxics Exposure Study
MCY	Motorcycles
MDV	Medium-Duty Vehicles
MHDT	Medium-Heavy-Duty Trucks
MICR	Maximum Individual Cancer Risk
MM	Mitigation Measures
mph	Miles Per Hour
MWELO	California Department of Water Resources' Model Water Efficient
N ₂	Nitrogen
N ₂ O	Nitrous Oxide
NAAQS	National Ambient Air Quality Standards

NO	Nitric Oxide
NO ₂	Nitrogen Dioxide
NO _x	Nitrogen Oxides
O ₂	Oxygen
O ₃	Ozone
O ₂ Deficiency	Chronic Hypoxemia
OBD-II	On-Board Diagnostic
OPR	Office of Planning and Research
Pb	Lead
PM ₁₀	Particulate Matter 10 microns in diameter or less
PM _{2.5}	Particulate Matter 2.5 microns in diameter or less
POLA	Port of Los Angeles
POLB	Port of Long Beach
ppm	Parts Per Million
Project	Green River Ranch Specific Plan Amendment
RECLAIM	Regional Clean Air Incentives Market
RFG-2	Reformulated Gasoline Regulation
ROG	Reactive Organic Gases
SB	Senate Bill
SBIA	San Bernardino International Airport
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCE	Southern California Edison
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
SR	State Route
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TDM	Transportation Demand Management
Title 24	California Building Code
TITLE I	Non-Attainment Provisions
TITLE II	Mobile Sources Provisions
TA	<i>Green River Ranch Specific Plan Amendment (SP00-001</i>

Amendment No.1) Traffic Analysis

TSF	Thousand Square Feet
UFP	Ultra Fine Particles
UP	Union Pacific
UTRs	Utility Tractors
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compounds
vph	Vehicles Per Hour

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EXECUTIVE SUMMARY

ES.1 SUMMARY OF FINDINGS

The results of this *Green River Ranch Specific Plan Amendment Air Quality Impact Analysis* (AQIA) are summarized below based on the significance criteria in Section 3 of this report consistent with Appendix G of the *California Environmental Quality Act (CEQA) Guidelines* (CEQA Guidelines) (1). Table ES-1 shows the findings of significance for each potential air quality impact under CEQA before and after any required mitigation measures (MM) described below.

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS

Analysis	Report Section	Significance Findings	
		Unmitigated	Mitigated
Regional Construction Emissions	3.4	<i>Potentially Significant</i>	<i>Less Than Significant</i>
Localized Construction Emissions	3.7	<i>Less Than Significant</i>	<i>n/a</i>
Regional Operational Emissions	3.5	<i>Potentially Significant</i>	<i>Significant and Unavoidable</i>
Localized Operational Emissions	3.8	<i>Less Than Significant</i>	<i>n/a</i>
CO “Hot Spot” Analysis	3.9	<i>Less Than Significant</i>	<i>n/a</i>
Air Quality Management Plan	3.10	<i>Potentially Significant</i>	<i>Significant and Unavoidable</i>
Sensitive Receptors	3.11	<i>Less Than Significant</i>	<i>n/a</i>
Odors	3.12	<i>Less Than Significant</i>	<i>n/a</i>
Cumulative Impacts	3.13	<i>Potentially Significant</i>	<i>Significant and Unavoidable</i>

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.

TITLE 24

The proposed project is required to comply with Title 24 of the California Code of Regulations (CCR) established by the California Energy Commission (CEC) regarding energy conservation standards.

GENERAL

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

SCAQMD RULES

South Coast Air Quality Management District (SCAQMD) Rules that are currently applicable during construction activity for this Project are described below.

SCAQMD RULE 403

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

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

SCAQMD RULE 1113

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

SCAQMD RULE 402

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

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

SCAQMD RULE 1301

This rule provides 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 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 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 NO_x and PM emissions, or to otherwise facilitate emission and exposure reductions of these pollutants in nearby communities.

SCAQMD RULE 461

Rule 461 governs the operation of gasoline stations and requires that all underground storage tanks are equipped with a "California Air Resources Board (CARB) certified" enhanced vapor recovery system, all fill tubes are equipped with vapor tight caps, all dry breaks are equipped with vapor tight seals, a spill box shall be installed to capture any gasoline spillage, and all equipment is required to be properly maintained per CARB regulations. Rule 461 also provides several additional requirements including detailed maintenance, testing, reporting, and recordkeeping requirements for all gas stations.

Although the Project would comply with the above regulatory requirements, it should be noted that emission reductions associated with Rules 402, 1301, 401, 2305, and 461 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 CONSTRUCTION-SOURCE EMISSIONS MITIGATION MEASURES

The Project construction-source emissions would exceed SCAQMD regional thresholds for nitrogen oxides (NO_x) emissions. The following mitigation measures are designed to reduce Project construction-source NO_x emissions. After application of MM AQ-1, Project construction-source emissions impacts would be less than significant.

MM AQ-1

During grading of Planning Areas 1, 2, and 3, all Construction Contractors shall ensure that off-road diesel construction equipment complies with Environmental Protection Agency (EPA)/CARB Tier 4 Interim emissions standards or equivalent and shall ensure that all construction equipment is tuned and maintained in accordance with the manufacturer's specifications.

ES.4 OPERATIONAL-SOURCE EMISSIONS MITIGATION MEASURES

The Project operational-source emissions would exceed SCAQMD regional thresholds for VOCs, NO_x, carbon monoxide (CO), particulate matter 10 microns in diameter or less (PM₁₀), and particulate matter 2.5 microns in diameter or less (PM_{2.5}) emissions. It is important to note that the majority of the Project's emissions are derived from vehicle usage associated with the Business Park Industrial use. Since neither the Project Applicant nor the Lead Agency have regulatory authority to control tailpipe emissions, no feasible mitigation measures exist that would reduce emissions to levels that are less-than-significant. Thus, air emissions are considered significant and unavoidable. The following mitigation measures (MM AQ-2 through MM AQ-5) are applicable to Planning Areas 1, 2, and 3 and are recommended to reduce Project operational-source VOCs, NO_x, CO, PM₁₀, and PM_{2.5} emissions. However, it should be noted that there is no way to quantify these reductions in the California Emissions Estimator Model (CalEEMod). Even with application of MM AQ-2 through MM AQ-5, Project operational-source emissions impacts would be significant and unavoidable.

MM AQ-2

Legible, durable, weather-proof signs shall be placed at truck access gates, loading docks, and truck parking areas that identify applicable CARB anti-idling regulations. At a minimum, each sign shall include: 1) instructions for truck drivers to shut off engines when not in use; 2) instructions for drivers of diesel trucks to restrict idling to no more than five (5) minutes once the vehicle is stopped, the transmission is set to "neutral" or "park," and the parking brake is engaged; and 3) telephone numbers of the building facilities manager and the CARB to report violations. Prior to the issuance of an occupancy permit, the Lead Agency shall conduct a site inspection to ensure that the signs are in place.

MM AQ-3

Prior to tenant occupancy for Planning Areas 1, 2 and 3, the Project Applicants or successors in interest shall provide documentation to the Lead Agency demonstrating that occupants/tenants of the Project site have been provided documentation on funding opportunities, such as the Carl Moyer Program, that provide incentives for using cleaner-than-required engines and equipment.

MM AQ-4

The minimum number of automobile electric vehicle (EV) charging stations required by the California Code of Regulations (CCR) Title 24 shall be provided. Final designs of Project buildings shall include electrical infrastructure sufficiently sized to accommodate the potential installation of additional auto and truck EV charging stations.

MM AQ-5

All on-site outdoor cargo-handling equipment (including yard trucks, hostlers, yard goats, pallet jacks, forklifts, and other on-site equipment) shall be electric. All on-site indoor forklifts shall be powered by electricity.

No feasible mitigation measures beyond Mitigation Measures MM AQ-2 through MM AQ-5 exist that would reduce project-related emissions to levels that are less-than-significant. Project operational-source VOC and NO_x emission exceedances of applicable SCAQMD regional thresholds are therefore considered significant and unavoidable. Moreover, approximately 20% of the total operational VOC emissions are derived from consumer products and more than approximately 44% of VOC emissions, 78% of NO_x emissions of the Project's VOC and NO_x emissions are derived from vehicle usage. Neither the Project Applicant nor the Lead Agency (City of Corona) can substantively or materially affect reductions in project-related vehicular source emissions beyond the regulatory requirements, and mitigation measures identified herein. Thus, NO_x emissions are considered significant and unavoidable.

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1 INTRODUCTION

This report presents the results of the AQIA prepared by Urban Crossroads, Inc., for the proposed Green River Ranch Specific Plan Amendment (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 the southwest corner of Green River Road and Dominguez Ranch Road in the City of Corona, as shown on Exhibit 1-A. The Project site is bordered to the south by vacant land, to the east by residential uses, the west by open space, and to the north and west by California State Route (SR) 91.

1.2 PROJECT DESCRIPTION

The Project consists of an amendment to the previously approved Green River Ranch Specific Plan, a Precise Plan for the Business Park Industrial portion of the project, and a tentative tract map. The Precise Plan consists of 746,167 sf of building space and for purposes of this analysis is studied as 634,242 sf of Industrial Park use (85 percent [%] of the total Business Park Industrial square footage) and 111,925 sf of High-Cube Cold Storage Warehouse use (15% of the total Business Park Industrial square footage). Cold Storage uses may or may not occupy the site but are studied analytically because this use is allowed by the Specific Plan in up to 15% of the building space. Although specific development plans are not proposed for the other areas of the property, the estate residential area is evaluated at its maximum buildout of 32 residential estate lots and the general commercial area is studied as containing the same commercial uses assumed when the Specific Plan was first adopted, which are still reasonably foreseeable uses – a super convenience market/gas station with 12 vehicle fueling positions and 2,500 sf of fast-food restaurant with drive-thru window use.

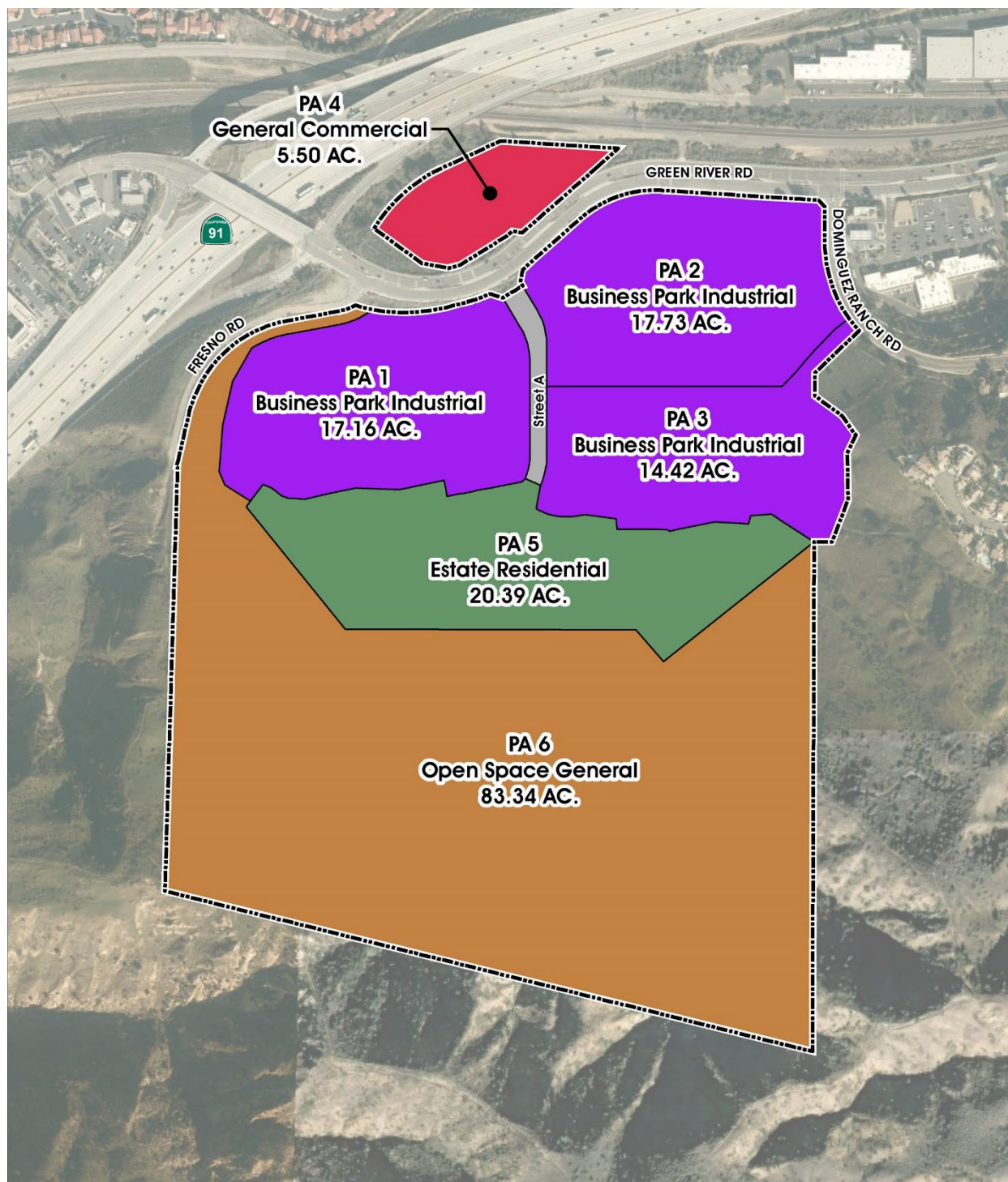
Exhibit 1-B illustrates the proposed Specific Plan Amendment and the Precise Plan proposed for the Business Park Industrial component of the Project. The Project is proposed to be developed in phases as follows:

- Phase 1: 634,242 square feet of Business Park Industrial use and 111,925 square feet of High-Cube Cold Storage Warehouse use ((Planning Areas) or PAs 1, 2, and 3)
- Phase 2: Development in Phase 1 plus up to 19,600 square feet of general commercial uses which for the purposes of the traffic study will be evaluated as a Gas Station with Convenience Market with 12 vehicle fueling positions, 2,500 square feet of Fast-Food Restaurant with Drive-Through Window use, 4,200 square feet of Fine Dining Restaurant use, and 9,500 square feet of High Turnover (Sit-Down) Restaurant use (buildout of PAs 1, 2, and 3 and the addition of PA 4). The land uses and intensities proposed for the retail component were selected in order to conduct a conservative analysis (i.e., evaluate a higher trip generation than 19,600 square feet of general commercial use)

- Project Buildout: Development in Phases 1 and 2 plus the addition of 32 Residential Estate Lots (buildout of PAs 1, 2, 3, and 4 and the addition of PA 5)

This analysis is intended to describe emission impacts associated with the expected typical operational activities at the Project site. This report assumes that the Business Park Industrial component of the Project will operate 24-hours daily for seven days per week. At the time this analysis was prepared, the future tenants of the proposed Project were unknown.

EXHIBIT 1-A: PRELIMINARY LAND USE 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. The Los Angeles County portion of the Mojave Desert Air Basin is bounded by the San Gabriel Mountains to the south and west, the Los Angeles / Kern County border to the north, and the Los Angeles / San Bernardino County border to the east. The Riverside County portion of the Salton Sea Air Basin is bounded by the San Jacinto Mountains in the west and spans eastward up to the Palo Verde Valley.

2.2 REGIONAL CLIMATE

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

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

Although the climate of the SCAB can be characterized as semi-arid, the air near the land surface is quite moist on most days because of the presence of a marine layer. This shallow layer of sea air is an important modifier of SCAB climate. Humidity restricts visibility in the SCAB, and the conversion of sulfur dioxide (SO₂) to sulfates (SO₄) is heightened in air with high relative humidity. The marine layer provides an environment for that conversion process, especially during the spring and summer months. The annual average relative humidity within the SCAB is 71% 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 ozone (O ₃), motor vehicles operating at slow speeds are the primary source of CO in the SCAB. The highest ambient CO concentrations are generally found near congested transportation corridors and intersections.	Any source that burns fuel such as automobiles, trucks, heavy construction equipment, farming equipment and residential heating.	Individuals with a deficient blood supply to the heart are the most susceptible to the adverse effects of CO exposure. The effects observed include earlier onset of chest pain with exercise, and electrocardiograph changes indicative of decreased oxygen (O ₂) supply to the heart. Inhaled CO has no direct toxic effect on the lungs but exerts its effect on tissues by interfering with O ₂ transport and competing with O ₂ to combine with hemoglobin present in the blood to form carboxyhemoglobin (COHb). Hence, conditions with an increased demand for O ₂ supply can be adversely affected by exposure to CO. Individuals most at risk include fetuses, patients with diseases involving heart and blood vessels, and patients with chronic hypoxemia (O ₂ deficiency) as seen at high altitudes.

Criteria Pollutant	Description	Sources	Health Effects
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 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).	Coal or oil burning power plants and industries, refineries, diesel engines	A few minutes of exposure to low levels of SO₂ can result in airway constriction in some asthmatics, all of whom are sensitive to its effects. In asthmatics, increase in resistance to air flow, as well as reduction in breathing capacity leading to severe breathing difficulties, are observed after acute exposure to SO₂. In contrast, healthy individuals do not exhibit similar acute responses even after exposure to higher concentrations of SO₂. Animal studies suggest that despite SO₂ being a respiratory irritant, it does not cause substantial lung injury at ambient concentrations. However, very high levels of exposure can cause lung edema (fluid accumulation), lung tissue damage, and sloughing off of cells lining the respiratory tract. Some population-based studies indicate that the mortality and morbidity effects associated with fine particles show a similar association with ambient SO₂ levels. In these studies, efforts to separate the effects of SO₂ from those of fine particles have not been successful. It is not clear whether the two pollutants act synergistically, or one pollutant alone is the predominant factor.

Criteria Pollutant	Description	Sources	Health Effects
NO _x	NO _x consist of nitric oxide (NO), nitrogen dioxide (NO ₂) and nitrous oxide (N ₂ O) 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 combustion processes and are major contributors to smog formation and acid deposition. NO ₂ is a criteria air pollutant and may result in numerous adverse health effects; it absorbs blue light, resulting in a brownish-red cast to the atmosphere and reduced visibility. Of the seven types of nitrogen oxide compounds, NO ₂ is the most abundant in the atmosphere. As ambient concentrations of NO ₂ are related to traffic density, commuters in heavy traffic may be exposed to higher concentrations of NO ₂ than those indicated by regional monitoring station.	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 NO₂ at levels found in homes with gas stoves, which are higher than ambient levels found in Southern California. Increase in resistance to air flow and airway contraction is observed after short-term exposure to NO₂ in healthy subjects. Larger decreases in lung functions are observed in individuals with asthma or chronic obstructive pulmonary disease (e.g., chronic bronchitis, emphysema) than in healthy individuals, indicating a greater susceptibility of these sub-groups. In animals, exposure to levels of NO₂ considerably higher than ambient concentrations result in increased susceptibility to infections, possibly due to the observed changes in cells involved in maintaining immune functions. The severity of lung tissue damage associated with high levels of O₃ exposure increases when animals are exposed to a combination of O₃ and NO₂.
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	Formed when reactive organic gases (ROG) and NO _x react in the presence of sunlight. ROG sources include any source	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

Criteria Pollutant	Description	Sources	Health Effects
	months when direct sunlight, light wind, and warm temperature conditions are favorable to the formation of this pollutant.	that burns fuels, (e.g., gasoline, natural gas, wood, oil) solvents, petroleum processing and storage and pesticides.	few hours) to O₃ 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. Elevated O₃ levels are associated with increased school absences. In recent years, a correlation between elevated ambient O₃ levels and increases in daily hospital admission rates, as well as mortality, has also been reported. An increased risk for asthma has been found in children who participate in multiple outdoor sports and live in communities with high O₃ levels. O₃ exposure under exercising conditions is known to increase the severity of the responses described above. Animal studies suggest that exposure to a combination of pollutants that includes O₃ may be more toxic than exposure to O₃ alone. Although lung volume and resistance changes observed after a single exposure diminish with repeated exposures, biochemical and cellular changes appear to persist, which can lead to subsequent lung structural changes.
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	Sources of PM ₁₀ include road dust, windblown dust and construction. Also formed from other pollutants (acid rain, NO _x , SO _x ,	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

Criteria Pollutant	Description	Sources	Health Effects
	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 PM₁₀ is considered a criteria air pollutant. PM_{2.5}: A similar air pollutant to PM₁₀ consisting of tiny solid or liquid particles which are 2.5 microns or smaller (which is often referred to as fine particles). These particles are formed in the atmosphere from primary gaseous emissions that include SO₄ formed from SO₂ release from power plants and industrial facilities and nitrates that are formed from NO_x release from power plants, automobiles and other types of combustion sources. The chemical composition of fine particles highly depends on location, time of year, and weather conditions. PM_{2.5} is a criteria air pollutant.	organics). Incomplete combustion of any fuel. PM_{2.5} comes from fuel combustion in motor vehicles, equipment and industrial sources, residential and agricultural burning. Also formed from reaction of other pollutants (acid rain, NO_x, SO_x, organics).	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 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 PM₁₀ 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	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.	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
	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 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.	Fuels are made up of organic chemicals. All of these products can release organic compounds while you are using them, and, to some degree, when they are stored.	
ROG	Similar to VOC, ROG 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. ROG 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	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.

Criteria Pollutant	Description	Sources	Health Effects
	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.		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 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. National Ambient Air Quality Standards (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 and are presented in Table 2-2. The air quality in a region is considered to be in attainment by the state if the measured ambient air pollutant levels for O₃, CO (except 8-hour Lake Tahoe), SO₂ (1 and 24 hour), NO₂, PM₁₀, and PM_{2.5} 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 Fluorescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m ³)	
	24 Hour	0.04 ppm (105 µg/m ³)		0.14 ppm (for certain areas) ¹¹	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas) ¹¹	—	
Lead ^{12,13}	30 Day Average	1.5 µg/m ³	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m ³ (for certain areas) ¹²	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m ³		
Visibility Reducing Particles ¹⁴	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m ³	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)	Ultraviolet Fluorescence			
Vinyl Chloride ¹²	24 Hour	0.01 ppm (26 µg/m ³)	Gas Chromatography			

See footnotes on next page ...

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

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2.6 REGIONAL AIR QUALITY

Air pollution contributes to a wide variety of adverse health effects. The EPA has established NAAQS for six of the most common air pollutants, which are known as criteria pollutants: CO, Pb, O₃, particulate matter (PM₁₀ and PM_{2.5}), NO₂, and SO₂. The SCAQMD monitors levels of various criteria pollutants at 35 permanent monitoring stations and 2 single-pollutant source Pb air monitoring sites throughout the air district (9). On January 25, 2024, CARB posted the proposed 2023 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	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

-- = no standard.

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 Corona/Norco Area (SRA 22). The Corona/Norco Area monitoring station is located approximately 5.4 miles northeast of the Project site **however, does not reports air quality statistics**. As the Corona/Norco Area monitoring station does not include statistics for any pollutant the next nearest station will be used. The San Bernardino County CA-60 Near Road monitoring station is located 10.7 miles northeast of the Project site, located in SRA 33. This station reports air quality statistics for NO₂ and PM_{2.5}. Additionally, the Metropolitan Riverside County 3 (SRA 23) monitoring station, located approximately 15.8 miles northeast of the Project, is the next nearest monitoring station that reports air quality statistics for O₃, CO, and PM₁₀. It should be noted that the San Bernardino County CA-60 Near Road and Metropolitan Riverside County monitoring stations were utilized in lieu of the Corona/Norco Area monitoring station only in instances where data was not available.

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

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 O₃, CO, NO₂, PM₁₀, and PM_{2.5} for 2021 through 2023 was obtained from the SCAQMD Air Quality Data Tables (11). Additionally, data for SO₂ has been omitted as attainment is regularly met in the SCAB and few monitoring stations measure SO₂ concentrations.

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

Pollutant	Standard	Year		
		2021	2022	2023
O ₃				
Maximum Federal 1-Hour Concentration (ppm)		0.116	0.120	0.129
Maximum Federal 8-Hour Concentration (ppm)		0.094	0.094	0.102
Number of Days Exceeding State 1-Hour Standard	> 0.09 ppm	20	19	39
Number of Days Exceeding State/Federal 8-Hour Standard	> 0.070 ppm	59	58	65
CO				
Maximum Federal 1-Hour Concentration	> 35 ppm	2.0	1.6	1.7
Maximum Federal 8-Hour Concentration	> 20 ppm	1.6	1.2	1.2
NO ₂				
Maximum Federal 1-Hour Concentration	> 0.100 ppm	0.080	0.085	0.080
Annual Federal Standard Design Value		0.030	0.029	0.027
PM ₁₀				
Maximum Federal 24-Hour Concentration (µg/m³)	> 150 µg/m³	132	149	172
Annual Federal Arithmetic Mean (µg/m³)		49.6	45.4	42.7
Number of Days Exceeding Federal 24-Hour Standard	> 150 µg/m³	0	0	1
Number of Days Exceeding State 24-Hour Standard	> 50 µg/m³	170	141	183
PM _{2.5}				
Maximum Federal 24-Hour Concentration (µg/m³)	> 35 µg/m³	65.4	41.8	50.9
Annual Federal Arithmetic Mean (µg/m³)	> 12 µg/m³	14.48	12.20	12.04
Number of Days Exceeding Federal 24-Hour Standard	> 35 µg/m³	13	1	1

ppm = Parts Per Million

µg/m³ = Microgram per Cubic Meter

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

2.8 REGULATORY BACKGROUND

2.8.1 FEDERAL REGULATIONS

The EPA is responsible for setting and enforcing the NAAQS for O₃, CO, NO_x, SO₂, PM₁₀, 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 will be met.

The 1990 amendments to the CAA that identify specific emission reduction goals for areas not meeting the NAAQS require a demonstration of reasonable further progress toward attainment and incorporate additional sanctions for failure to attain or to meet interim milestones. The sections of the CAA most directly applicable to the development of the Project site include Title I (Non-Attainment Provisions) and Title II (Mobile Source Provisions) (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 (Assembly Bill [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 ROG_s, NO_x, CO and PM₁₀. However, air basins may use alternative emission reduction strategy that achieves a reduction of less than 5% per year under certain circumstances.

TITLE 24 ENERGY EFFICIENCY STANDARDS AND CALIFORNIA GREEN BUILDING STANDARDS

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

The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. CCR, Title 24, Part 11: 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 January 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.

Local jurisdictions are permitted to adopt more stringent requirements, as state law provides methods for local enhancements. CALGreen recognizes that many jurisdictions have developed existing construction waste and demolition ordinances and defers to them as the ruling guidance provided, they establish a minimum 65% diversion requirement.

The code also provides exemptions for areas not served by construction waste and demolition recycling infrastructure. The State Building Code provides the minimum standard that buildings must meet in order to be certified for occupancy, which is generally enforced by the local building official.

Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases greenhouse gas (GHG) emissions. The 2022 version of Title 24 was adopted by the CEC and will be effective on January 1, 2023.

The 2022 Title 24 standards would result in less energy use, thereby reducing air pollutant emissions associated with energy consumption in the SCAB and across the State of California. For example, the 2022 Title 24 standards require solar photovoltaic systems for new homes,

encourage the use of heat pumps for space and water heating, and require homes to be electric-ready to ease the adoption of cleaner electric heating, cooking, and EV charging. 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):

RESIDENTIAL MANDATORY MEASURES

- Electric vehicle (EV) charging stations. New construction shall comply with Section 4.106.4.1, 4.106.4.2, 4.106.4.3, to facilitate future installation and use of EV chargers. Electric vehicle supply equipment (EVSE) shall be installed in accordance with the *California Electrical Code*, Article 625. (4.106.4).
 - New one- and two-family dwellings and town-houses with attached private garages. For each dwelling unit, install a listed raceway to accommodate a dedicated 208/240-volt branch circuit. The raceway shall not be less than trade size 1 (nominal 1-inch inside diameter). The raceway shall originate at the main service or subpanel and shall terminate into a listed cabinet, box or other enclosure in close proximity to the proposed location of an EV charger. Raceways are required to be continuous at enclosed, inaccessible or concealed areas and spaces. The service panel and/or subpanel shall provide capacity to install a 40-ampere 208/240-volt minimum dedicated branch circuit and space(s) reserved to permit installation of a branch circuit overcurrent protective device.
 - New hotels and motels. All newly constructed hotels and motels shall provide EV spaces capable of supporting future installation of EVSE. The construction documents shall identify the location of the EV spaces. The number of required EV spaces shall be based on the total number of parking spaces provided for all types of parking facilities in accordance with Table 4.106.4.3.1.
- Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with Sections 4.303.1.1, 4.303.1.2, 4.303.1.3, and 4.303.1.4.
- Outdoor potable water use in landscape areas. Residential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resource ' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent.
- Operation and maintenance manual. At the time of final inspection, a manual, compact disc, web-based reference or other media acceptable to the enforcing agency which includes all of the following shall be placed in the building:
 - Directions to the owner or occupant that the manual shall remain with the building throughout the life cycle of the structure.
 - Operations and maintenance instructions for the following:
 1. Equipment and appliances, including water-saving devices and systems, HVAC systems, photovoltaic systems, EV chargers, water-heating systems and other major appliances and equipment.
 2. Roof and yard drainage, including gutter and downspouts.
 3. Space conditioning systems, including condensers and air filters.

4. Landscape irrigation systems.
5. Water reuse systems.
 - Information from local utility, water and waste recovery providers on methods to future reduce resource consumption, including recycle programs and locations.
 - Public transportation and/or carpool options available in the area.
 - Educational material on the positive impacts of an interior relative humidity between 30-60% and what methods an occupants may use to maintain the relative humidity level in that range.
 - Information about water-conserving landscape and irrigation design and controllers which conserve water.
 - Instructions for maintaining gutters and downspouts and the importance of diverting water at least 5 feet away from the foundation.
 - Information about state solar energy and incentive programs available.
 - A copy of all special inspection verifications required by the enforcing agency of this code.
 - Information from CALFIRE on maintenance of defensible space around residential structures.
- Any installed gas fireplace shall be direct-vent sealed-combustion type. Any installed woodstove or pellet stove shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits. Woodstoves, pellet stoves and fireplaces shall also comply with applicable local ordinances.
- Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the CARB Architectural Suggested Control Measure, as shown in Table 4.504.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 4.504.3 shall be determined by classifying the coating as a Flat, Nonflat, or Nonflat-high Gloss coating, based on its glass, as defined in subsections 4.21, 4.36, and 4.37 of the 2007 CARB, Suggested Control Measure, and the corresponding Flat, Nonflat, Nonflat-high Gloss VOC limit in Table 4.504.3 shall apply.

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 in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy. A detailed discussion on the AQMP and Project consistency with the AQMP is provided in Section 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 is known as the SCAB. SCAQMD develops comprehensive plans and regulatory programs for the region to attain federal standards by dates specified in federal law. The agency is also responsible for meeting state standards by the earliest date achievable, using reasonably available control measures.

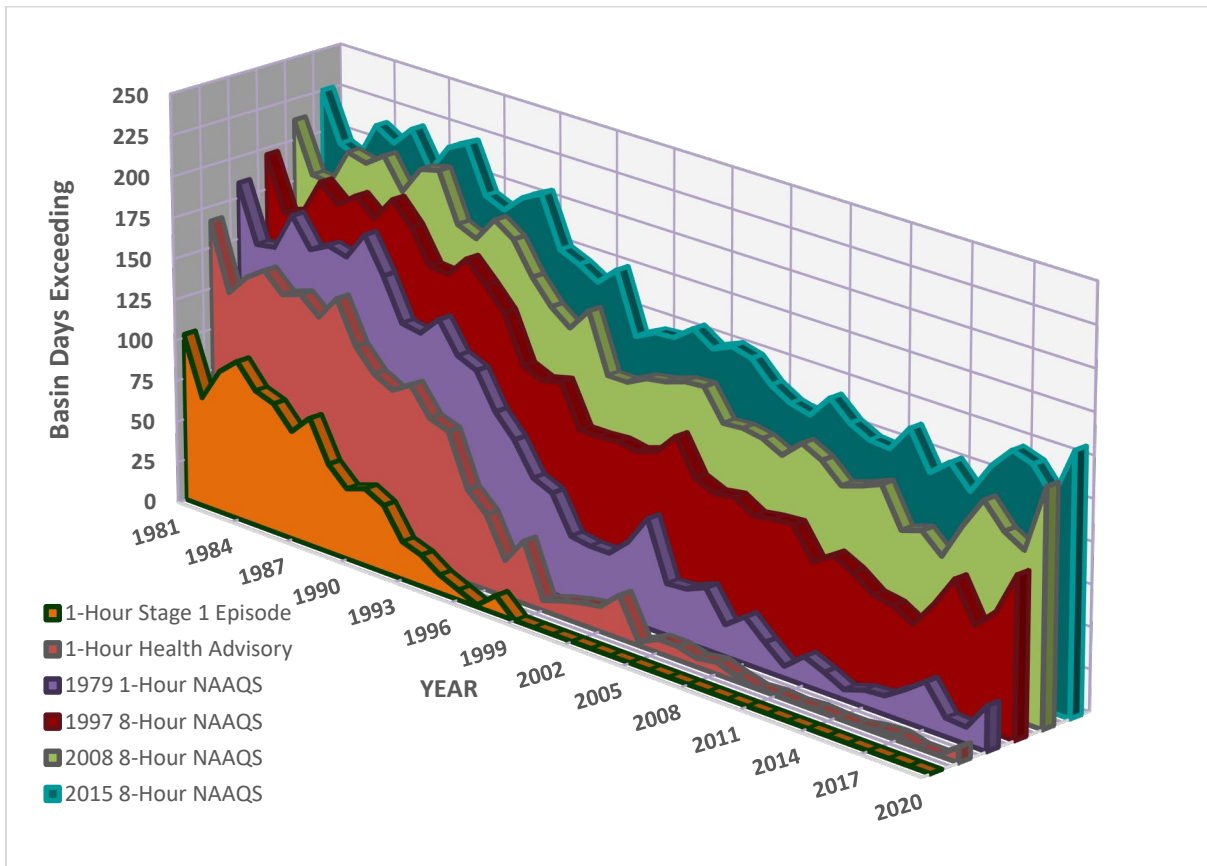
SCAQMD rule development through the 1970s and 1980s resulted in dramatic improvement in SCAB air quality. Nearly all control programs developed through the early 1990s relied on (i) the development and application of cleaner technology; (ii) add-on emission controls, and (iii) uniform CEQA review throughout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

As discussed above, the SCAQMD is the lead agency charged with regulating air quality emission reductions for the entire SCAB. SCAQMD created AQMPs which represent a regional blueprint for achieving healthful air on behalf of the 16 million residents of the SCAB. The 2012 AQMP states, "the remarkable historical improvement in air quality since the 1970's is the direct result of Southern California's comprehensive, multiyear strategy of reducing air pollution from all sources as outlined in its AQMPs," (20).

Emissions of O₃, NO_x, VOC, and CO have been decreasing in the SCAB since 1975 and are projected to continue to decrease through 2020 (21). These decreases result primarily from

motor vehicle controls and reductions in evaporative emissions. Although vehicle miles traveled (VMT) in the SCAB continue to increase, NO_x and VOC levels are decreasing because of the mandated controls on motor vehicles and the replacement of older polluting vehicles with lower-emitting vehicles. NO_x emissions from electric utilities have also decreased due to use of cleaner fuels and renewable energy. O₃ contour maps show that the number of days exceeding the 8-hour NAAQS has generally decreased between 1980 and 2020. For 2020, there was an overall decrease in exceedance days compared with the 1980 period. However, as shown on Table 2-5, SCAB O₃ Trend, O₃ levels have increased in the past three years due to higher temperatures and stagnant weather conditions. Notwithstanding, O₃ levels in the SCAB have decreased substantially over the last 30 years with the current maximum measured concentrations being approximately one-third of concentrations within the late 70's (22).

TABLE 2-5: SCAB O₃ TREND

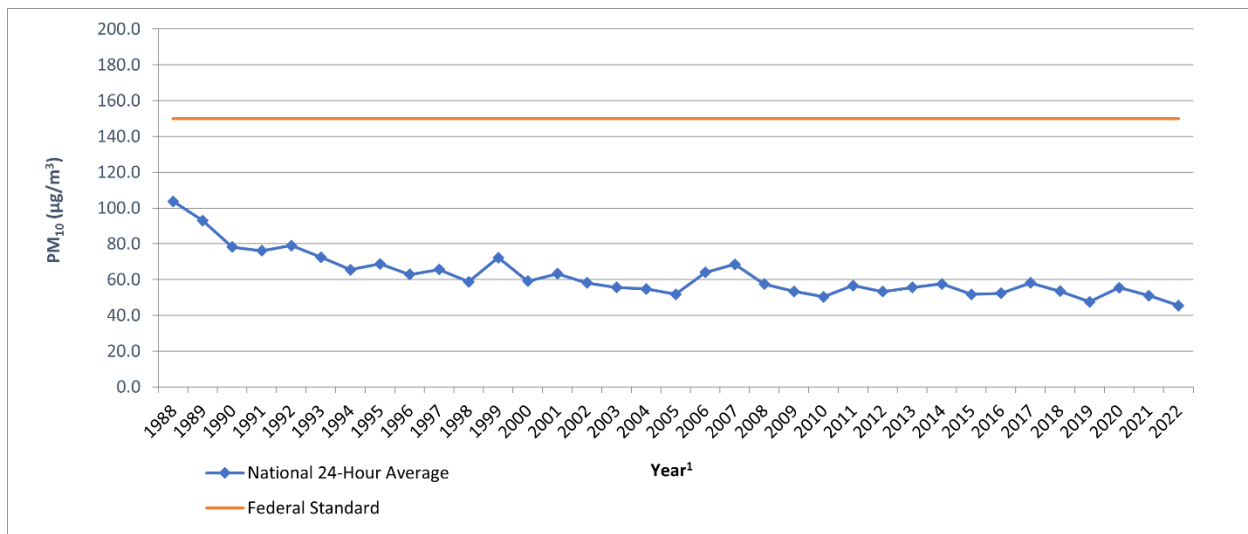


Source: 2020 SCAQMD, Historical O₃ Air Quality Trends (1976-2020)

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

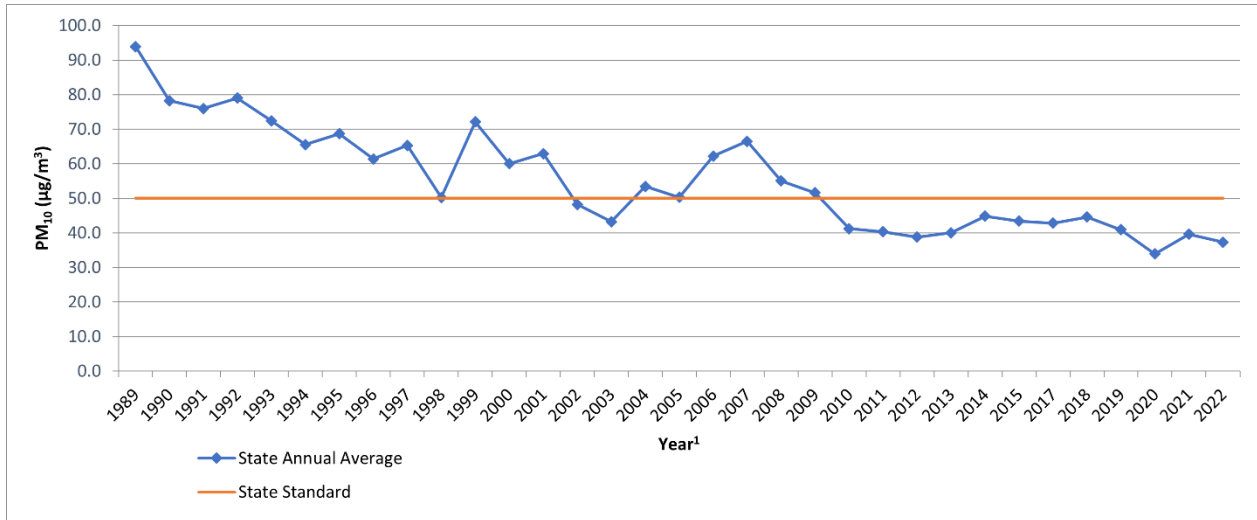
As with other pollutants, the most recent PM₁₀ statistics show an overall improvement as illustrated in Tables 2-7 and 2-8. During the period for which data are available, the 24-hour national annual average concentration for PM₁₀ decreased by approximately 56%, from 103.7 microgram per cubic meter ($\mu\text{g}/\text{m}^3$) in 1988 to 45.5 $\mu\text{g}/\text{m}^3$ in 2022 (23). Although the values are below the federal standard, it should be noted that there are days within the year where the concentrations would exceed the threshold. The 24-hour state annual average for emissions for PM₁₀, have decreased by approximately 64%, from 93.9 $\mu\text{g}/\text{m}^3$ in 1989 to 37.3 $\mu\text{g}/\text{m}^3$ in 2022 (23). Although data in the late 1990s show some variability, this is probably due to the advances in meteorological science rather than a change in emissions. Similar to the ambient concentrations, the calculated number of days above the 24-hour PM₁₀ standards has also shown an overall drop.

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



Source: 2023 CARB, iADAM: Top Four Summary: PM₁₀ 24-Hour Averages (1988-2022)

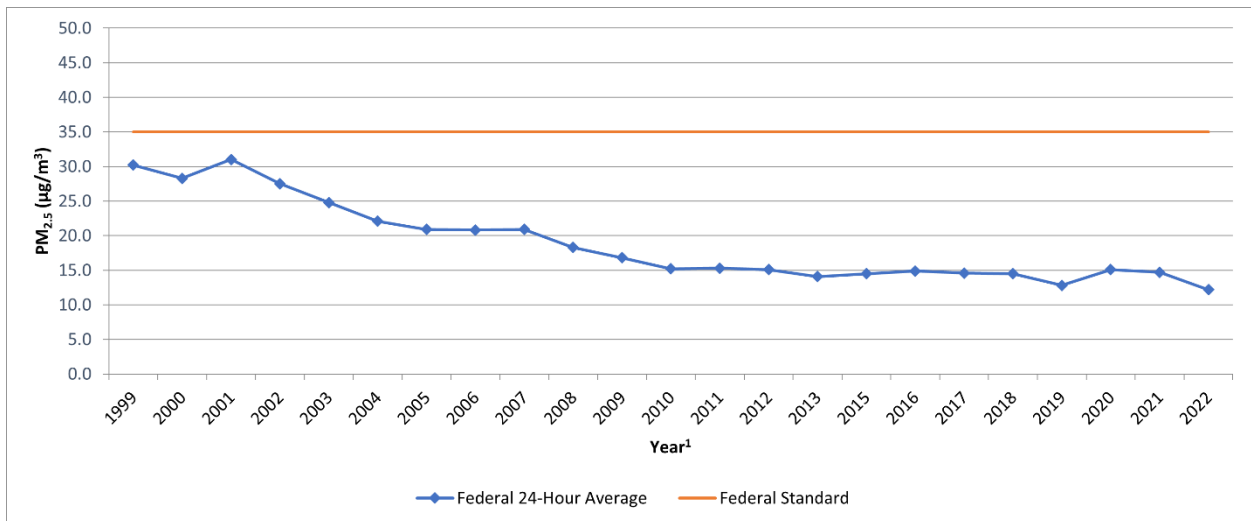
¹ Some years have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of "0" have also been omitted.

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

Source: 2023 CARB, iADAM: Top Four Summary: PM₁₀ 24-Hour Averages (1988-2022)

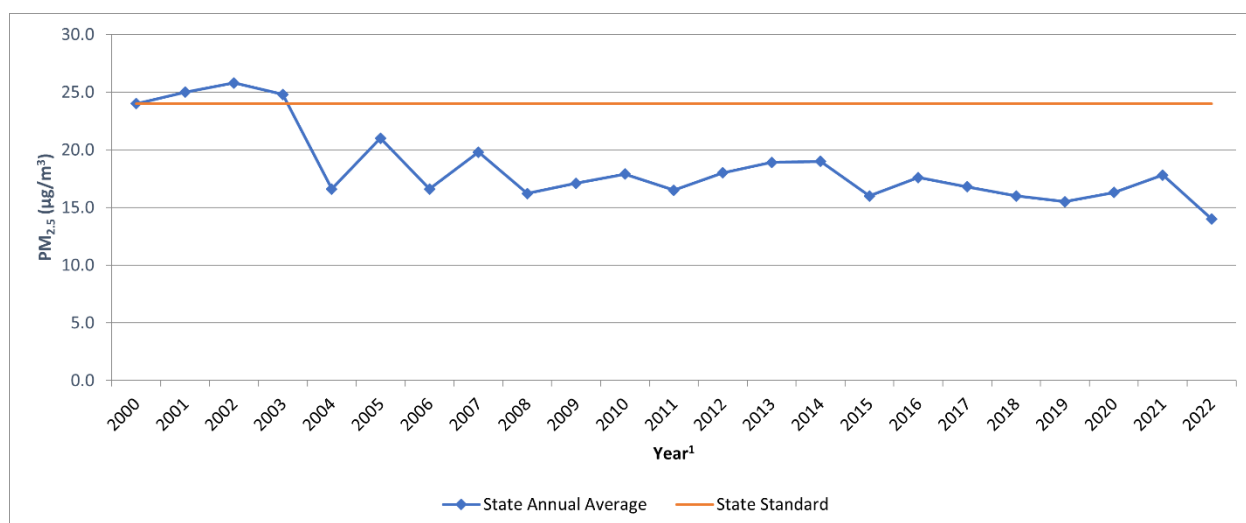
¹ Some years have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of "0" have also been omitted.

Tables 2-9 and 2-10 show the most recent 24-hour average and annual PM_{2.5} concentrations in the SCAB. Overall, the national and state annual average concentrations have decreased by almost 60% and 42% respectively (23). 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: 2023 CARB, iADAM: Top Four Summary: PM_{2.5} 24-Hour Averages (1999-2022)

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: 2023 CARB, iADAM: Top Four Summary: PM_{2.5} 24-Hour Averages (1999-2022)

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

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

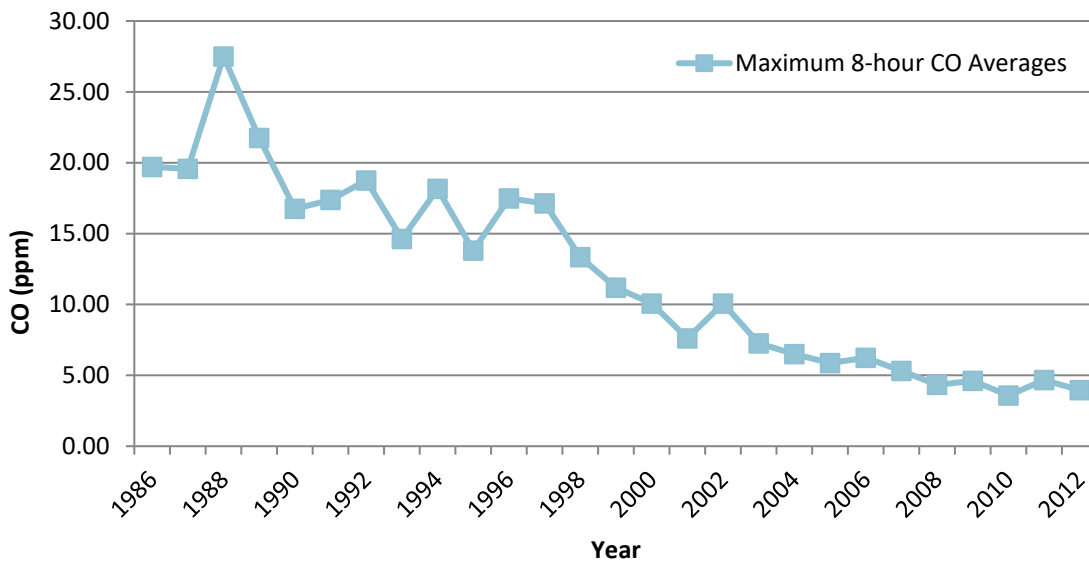
The 2006 to 2010 base period used for the 2012 attainment demonstration had near-normal rainfall. While the trend of PM_{2.5}-equivalent emission reductions continued through 2015, the severe drought conditions contributed to the PM_{2.5} increases observed after 2012. As a result of the disrupted progress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

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 (25). 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 (26).

The most recent CO concentrations in the SCAB are shown in Table 2-11 (23). CO concentrations in the SCAB have decreased markedly — a total decrease of more about 80% in the peak 8-hour

concentration from 1986 to 2012. It should be noted 2012 is the most recent year where 8-hour CO averages and related statistics are available in the SCAB. The number of exceedance days has also declined. The entire SCAB is now designated as attainment for both the state and national CO standards. Ongoing reductions from motor vehicle control programs should continue the downward trend in ambient CO concentrations.

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

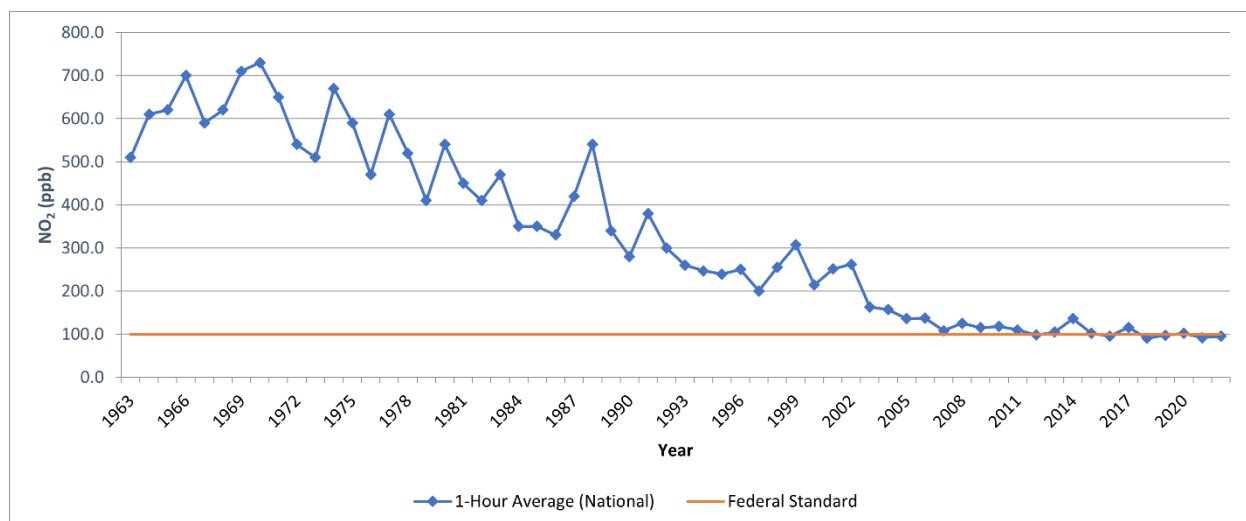


Source: 2020 CARB, iADAM: Top Four Summary: CO 8-Hour Averages (1986-2012)

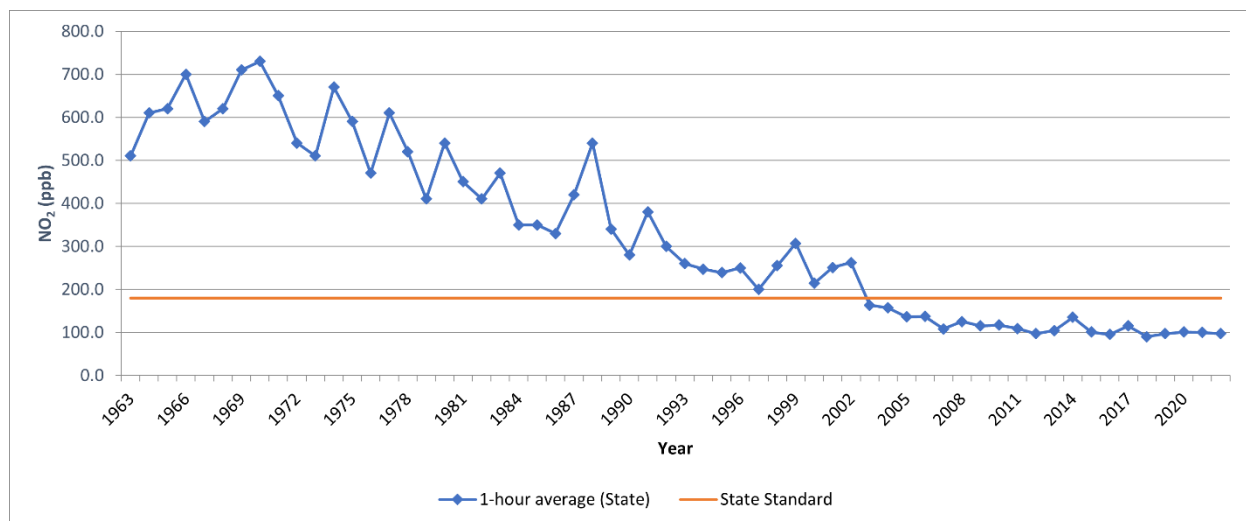
¹ The most recent year where 8-hour concentration data is available is 2012.

Part of the control process of the SCAQMD's duty to greatly improve the air quality in the SCAB is the uniform CEQA review procedures required by SCAQMD's *CEQA Air Quality Handbook (1993)* (1993 *CEQA Handbook*) (27). The single threshold of significance used to assess Project direct and cumulative impacts has in fact "worked" as evidenced by the track record of the air quality in the SCAB dramatically improving over the course of the past decades. As stated by the SCAQMD, the District's thresholds of significance are based on factual and scientific data and are therefore appropriate thresholds of significance to use for this Project.

The most recent NO₂ data for the SCAB is shown in Tables 2-12 and 2-13 (23). Over the last 50 years, NO₂ values have decreased significantly; the peak 1-hour national and state averages for 2022 is approximately 81% lower than what it was during 1963. The SCAB attained the State 1-hour NO₂ standard in 1994, bringing the entire state into attainment. A new state annual average standard of 0.030 ppm was adopted by CARB in February 2007 (28). The new standard is just barely exceeded in the SCAQMD. NO₂ is formed from NO_x emissions, which also contribute to O₃. As a result, the majority of the future emission control measures would be implemented as part of the overall O₃ control strategy. Many of these control measures would target mobile sources, which account for more than three-quarters of California's NO_x emissions. These measures are expected to bring the SCAQMD into attainment of the state annual average standard.

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

Source: 2023 CARB, iADAM: Top Four Summary: CO 1-Hour Averages (1963-2022)

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

Source: 2023 CARB, iADAM: Top Four Summary: CO 1-Hour Averages (1963-2022)

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 (29) which was prepared for CARB, results show that between 1990-2012, ambient concentration and emission trends for the seven TACs responsible for most of the known cancer risk associated with airborne exposure in California have declined significantly (between 1990 and 2012). The seven TACs studied include those that are derived from mobile sources: diesel particulate matter (DPM), benzene (C₆H₆), and

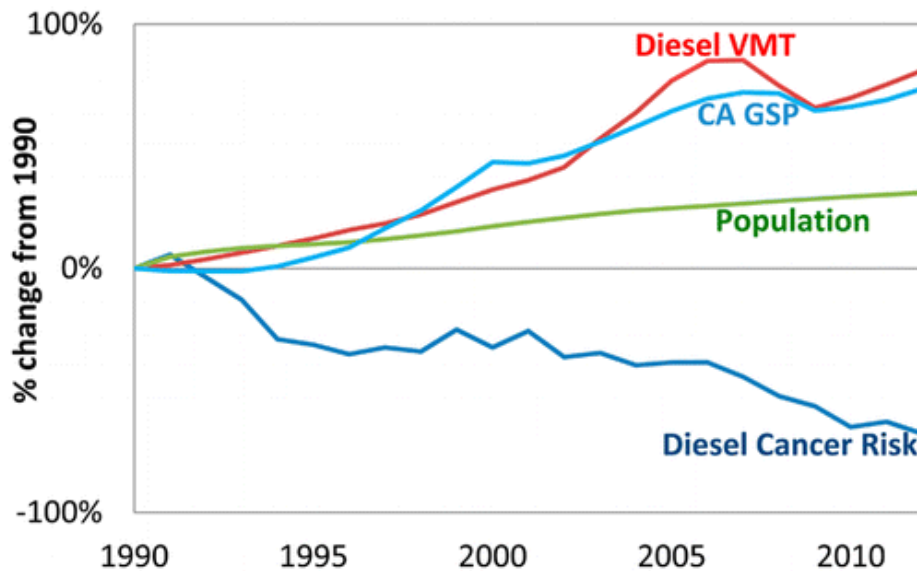
1,3-butadiene (C_4H_6); those that are derived from stationary sources: perchloroethylene (C_2Cl_4) and hexavalent chromium ($Cr(VI)$); and those derived from photochemical reactions of emitted VOCs: formaldehyde (CH_2O) and acetaldehyde (C_2H_4O)². The decline in ambient concentration and emission trends 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 (29).

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**California Population, Gross State Product (GSP),
Diesel Cancer Risk, Diesel Vehicle-Miles-Traveled (VMT)**

Source: 2020 CARB

DIESEL REGULATIONS

CARB and the Ports of Los Angeles and Long Beach (POLA and POLB) have adopted several iterations of regulations for diesel trucks that are aimed at reducing DPM. More specifically, CARB Drayage Truck Regulation (30), CARB statewide On-road Truck and Bus Regulation (31), and the Ports of Los Angeles and Long Beach Clean Truck Program (CTP) require accelerated implementation of “clean trucks” into the statewide truck fleet (32). In other words, older more polluting trucks would be replaced with newer, cleaner trucks as a function of these regulatory requirements.

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

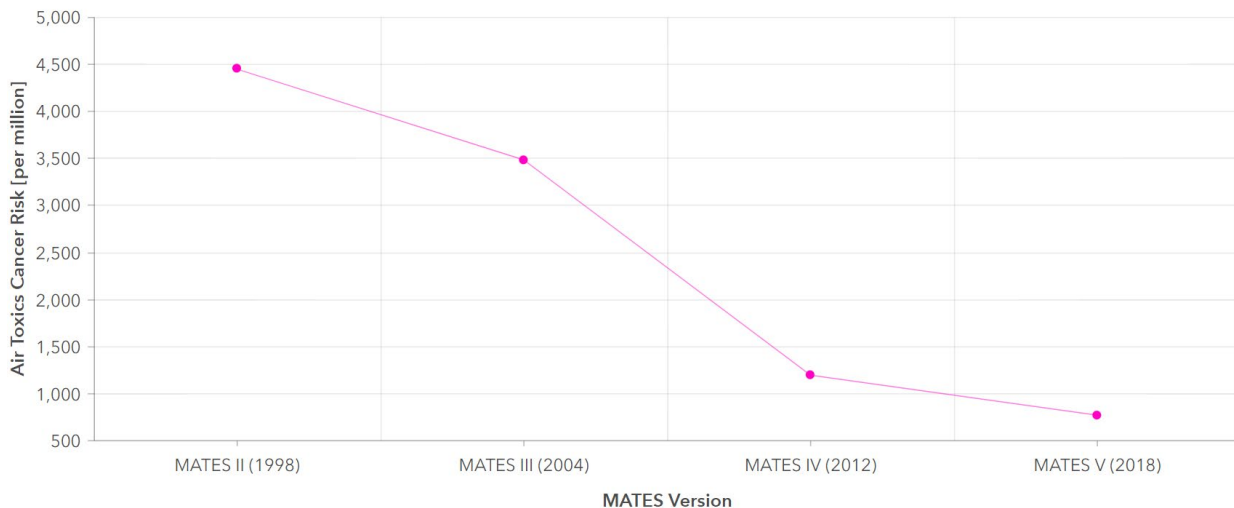
Diesel emissions identified in this analysis would therefore overstate future DPM emissions since not all the regulatory requirements are reflected in the modeling.

CANCER RISK TRENDS

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

In January 2018, as part of the overall effort to reduce air toxics exposure in the SCAB, SCAQMD began conducting the MATES V Program. MATES V field measurements were conducted at ten fixed sites (the same sites selected for MATES III and IV) to assess trends in air toxics levels. MATES V also included measurements of ultrafine particles (UFP) and black carbon (BC) concentrations, which can be compared to the UFP levels measured in MATES IV (33). The draft report for the MATES V study was published in late May and the comment submission deadline on June 7, 2021. In addition to new measurements and updated modeling results, several key updates were implemented in MATES V. First, MATES V estimates cancer risks by taking into account multiple exposure pathways, which includes inhalation and non-inhalation pathways. This approach is consistent with how cancer risks are estimated in South Coast AQMD's programs such as permitting, Air Toxics Hot Spots (AB2588), and CEQA. Previous MATES studies quantified the cancer risks based on the inhalation pathway only. Second, along with cancer risk estimates, MATES V includes information on the chronic non-cancer risks from inhalation and non-inhalation pathways for the first time. Cancer risks and chronic non-cancer risks from MATES II through IV measurements have been re-examined using current Office of Environmental Health Hazard Assessment (OEHHHA) and CalEPA risk assessment methodologies and modern statistical methods to examine the trends over time (34). Exhibit 2-B illustrates the MATES V Risk trends for the nearest available monitoring site to the Project, located in Rubidoux.

EXHIBIT 2-B: MATES V RISK MAP



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3 PROJECT AIR QUALITY IMPACT

3.1 INTRODUCTION

This study quantifies air quality emissions generated by construction and operation of the Project and addresses whether the Project conflicts with implementation of the SCAQMD's AQMP and Lead Agency planning regulations. The analysis of Project-generated air emissions determines whether the Project would result in a cumulatively considerable net increase of any criteria pollutant for which the SCAB is in non-attainment under an applicable NAAQS and CAAQS. Additionally, the Project has been evaluated to determine whether the Project would expose sensitive receptors to substantial pollutant concentrations and the impacts of odors. The significance of these potential impacts is described in the following sections. The Project evaluated herein has four land use components, Business Park Industrial (Planning Areas 1, 2, and 3), Commercial (Planning Area 4), Residential (Planning Area 5) and Open Space (Planning Area 6). Based on a reasonable expectation of how the project will build out, the analyses herein assumes phased construction, with the uses in Planning Areas 1, 2, and 3 built first, followed by the development of Planning Areas 4 and 5. Concurrent with the proposed Specific Plan Amendment, a Precise Plan is proposed for Planning Areas 1, 2, and 3, with specific building footprints, uses, and other details proposed. The Precise Plan proposes the development of three light industrial buildings with surface parking, landscaping, lighting, signage, and interior private drive aisles, with a traffic signal proposed at Green River Road and the project's entry road (Street A). Because specific development plans are not concurrently proposed for Planning Areas 4 and 5, development in those areas are evaluated based on reasonable forecasts of development that would be permitted by the Green River Ranch Specific Plan. Planning Area 4 is assumed for a super convenience market/gas station with 12 fueling positions and 2,500 sf of fast-food restaurant. Planning Area 5 is assumed to be built out with 32 residential homes. Planning Area 6 is assumed to be preserved as open space with no development.

3.2 STANDARDS OF SIGNIFICANCE

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

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

The SCAQMD has also developed regional significance thresholds for other regulated pollutants, as summarized at Table 3-1 (35). The SCAQMD's *CEQA Air Quality Significance Thresholds* (March 2023) indicate that any projects in the SCAB with daily emissions that exceed any of the indicated

thresholds should be considered as having an individually and cumulatively significant air quality impact.

TABLE 3-1: MAXIMUM DAILY REGIONAL EMISSIONS THRESHOLDS

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

lbs/day = Pounds Per Day

3.3 MODELS EMPLOYED TO ANALYZE AIR QUALITY

3.3.1 CalEEMod

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

The California Air Pollution Control Officers Association (CAPCOA) in conjunction with other California air districts, including SCAQMD, released CalEEMod 2022 in May 2022. CalEEMod periodically releases updates, as such the latest version available at the time of this report has been utilized in this analysis. The purpose of this model is to calculate construction-source and operational-source criteria pollutant (VOCs, NO_x, SO_x, CO, PM₁₀, and PM_{2.5}) and GHG emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from mitigation measures (36). Accordingly, the latest version of CalEEMod has been used for this Project to determine construction and operational air quality emissions. Output from the model runs for both construction and operational activity are provided in Appendices 3.1 and 3.5.

3.4 CONSTRUCTION EMISSIONS

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

- Demolition
- Site Preparation
- Grading
- Building Construction
- Paving

- Architectural Coating

DEMOLITION

A small portion of the Project site is currently occupied by existing structures and asphalt/concrete. At the time of this analysis, no information on demolition quantities were readily available. As such, this analysis assumes up to 2,000 sf of building would be demolished and hauled off-site.

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. Planning Areas 1, 2, and 3 would require 147,000 cubic yards of export (1,267,300 cubic yards of cut and 1,120,300 cubic yards of fill). Since earthwork quantities for Planning Areas 4 and 5 are currently not available, the analysis will assume a balanced site for these areas.

ON-ROAD TRIPS

Construction generates on-road vehicle emissions from vehicle usage for workers, hauling, and vendors commuting to and from the site. The number of workers, hauling, and vendor trips are presented below in Table 3-2. 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.

3.4.1 CONSTRUCTION DURATION

For purposes of analysis, construction of Planning Areas 1,2, and 3 is expected to commence in January 2024 and will last through December 2024. Construction of Planning Areas 4 and 5 would commence in January 2025 and end in August 2025. The construction schedule utilized in the analysis, shown in Table 3-2, 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 stringent³. The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per *CEQA Guidelines* (1).

³ As shown in the CalEEMod User’s Guide Version 2022, Appendix G “Table G-11. Statewide Average Annual Offroad Equipment Emission Factors” 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 3-2: CONSTRUCTION TRIP ASSUMPTIONS

Phase Type	Worker Trips Per Day	Vendor Trips Per Day	Total Trips Per Day
Planning Areas 1, 2, and 3			
Demolition	28	14	1
Site Preparation	28	9	0
Grading	40	23	368
Building Construction	313	75	0
Paving	15	0	0
Architectural	63	0	0
Planning Areas 4 and 5			
Site Preparation	18	1	0
Grading	20	2	0
Building Construction	24	5	0
Paving	15	0	0
Architectural	5	0	0

TABLE 3-3: CONSTRUCTION DURATION

Phase Name	Start Date	End Date	Days
Planning Areas 1, 2, and 3			
Demolition	1/1/2024	2/9/2024	30
Site Preparation	2/12/2024	3/8/2024	20
Grading	3/11/2024	5/17/2024	50
Building Construction	5/20/2024	12/27/2024	160
Paving	9/16/2024	12/27/2024	75
Architectural Coating	6/3/2024	12/27/2024	150
Planning Areas 4 and 5			
Site Preparation	1/1/2025	1/28/2025	20
Grading	1/29/2025	4/1/2025	45
Building Construction	4/2/2025	8/19/2025	100
Paving	7/2/2025	8/19/2025	35
Architectural Coating	5/7/2025	8/19/2025	70

3.4.2 CONSTRUCTION EQUIPMENT

The construction equipment fleet were based on CalEEMod defaults and were confirmed with the Project Applicant. A summary of construction equipment assumptions by phase is provided at Table 3-4.

Consistent with industry standards and typical construction practices, each piece of equipment listed in Table 3-4 will operate up to a total of eight (8) hours per day, or more than two-thirds of the period during which construction activities are allowed pursuant to the code. It should be noted that most pieces of equipment would likely operate for fewer hours per day.

TABLE 3-4: CONSTRUCTION EQUIPMENT ASSUMPTIONS (1 OF 2)

Phase Name	Equipment ¹	Amount	Hours Per Day
Planning Areas 1, 2, and 3			
Demolition	Concrete/Industrial Saws	2	8
	Excavators	5	8
	Rubber Tired Dozers	4	8
Site Preparation	Crawler Tractors	6	8
	Rubber Tired Dozers	5	8
Grading	Crawler Tractors	4	8
	Excavators	4	8
	Graders	2	8
	Rubber Tired Dozers	2	8
	Scrapers	4	8
Building Construction	Cranes	2	8
	Crawler Tractors	6	8
	Forklifts	6	8
	Generator Sets	2	8
	Welders	2	8
Paving	Pavers	2	8
	Paving Equipment	2	8
	Rollers	2	8
Architectural Coating	Air Compressors	1	8

TABLE 3-4: CONSTRUCTION EQUIPMENT ASSUMPTIONS (2 OF 2)

Phase Name	Equipment ¹	Amount	Hours Per Day
Planning Areas 4 and 5			
Site Preparation	Crawler Tractors	4	8
	Rubber Tired Dozers	3	8
Grading	Crawler Tractors	2	8
	Excavators	2	8
	Graders	1	8
	Rubber Tired Dozers	1	8
	Scrapers	2	8
Building Construction	Cranes	2	8
	Crawler Tractors	6	8
	Forklifts	6	8
	Generator Sets	2	8
	Welders	2	8
Paving	Pavers	2	8
	Paving Equipment	2	8
	Rollers	2	8
Architectural Coating	Air Compressors	1	8

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

3.4.3 CONSTRUCTION EMISSIONS SUMMARY

IMPACTS WITHOUT MITIGATION

The estimated maximum daily construction emissions without mitigation are summarized on Table 3-5. Under the assumed scenarios, emissions resulting from the Project construction will exceed thresholds established by the SCAQMD for emissions of NO_x during construction activity. Detailed construction model outputs are presented in Appendix 3.1. Based on review of the model outputs, the exceedance is a result of on-site equipment operations occurring during the 2024 grading activities.

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

Year	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
2024	33.76	105.22	77.06	0.30	16.80	7.77

Year	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
2025	14.03	40.35	46.59	0.07	4.47	2.44
Winter						
2024	33.63	106.55	72.64	0.30	16.80	7.90
2025	4.12	37.58	33.46	0.06	7.83	4.52
Maximum Daily Emissions	33.76	106.55	77.06	0.30	16.80	7.90
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	NO	YES	NO	NO	NO	NO

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

RECOMMENDED CONSTRUCTION MITIGATION MEASURES

The Project construction-source emissions have the potential to exceed SCAQMD regional thresholds for NO_x emissions prior to mitigation. MM AQ-1 would reduce Project construction-source emissions to the extent feasible.

MM AQ-1

During grading of Planning Areas 1, 2, and 3, all Construction Contractors shall ensure that off-road diesel construction equipment complies with Environmental Protection Agency (EPA)/CARB Tier 4 Interim emissions standards or equivalent and shall ensure that all construction equipment is tuned and maintained in accordance with the manufacturer's specifications.

IMPACTS WITH MITIGATION

The estimated maximum daily construction emissions without mitigation are summarized on Table 3-6. MM AQ-1 is recommended to reduce the severity of the impacts. Detailed construction model outputs are presented in Appendix 3.2. After implementation of MM AQ-1, Project construction-source emissions would not exceed the applicable SCAQMD thresholds. As such, after application of MM AQ-1, Project construction-source emissions would be less than significant.

TABLE 3-6: OVERALL CONSTRUCTION EMISSIONS SUMMARY – WITH MITIGATION

Year	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
2024	33.76	69.91	82.95	0.30	13.62	4.86
2025	14.03	40.35	46.59	0.07	4.47	2.44
Winter						
2024	33.63	71.24	82.26	0.30	13.62	7.90

Year	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
2025	4.12	37.58	33.46	0.06	7.83	4.52
Maximum Daily Emissions	33.76	71.24	82.95	0.30	13.62	7.90
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	NO	NO	NO	NO	NO	NO

Source: CalEEMod construction-source (mitigated) emissions are presented in Appendix 3.2.

3.5 OPERATIONAL EMISSIONS

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

- Area Source Emissions
- Energy Source Emissions
- Mobile Source Emissions
- Stationary Emissions
- On-Site Cargo Handling Equipment Emissions
- Transportation Refrigeration Unit (TRU) Emissions
- Gasoline Dispensing Emissions

3.5.1 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, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers used to maintain the landscaping of the Project. It should be noted that as October 9, 2021, Governor Gavin Newsom signed AB 1346. The bill aims to ban the sale of new gasoline-powered equipment under 25 gross

horsepower (known as small off-road engines [SOREs]) by 2024. For purposes of analysis, the emissions associated with landscape maintenance equipment were calculated based on assumptions provided in CalEEMod.

3.5.2 ENERGY SOURCE EMISSIONS

COMBUSTION EMISSIONS ASSOCIATED WITH 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. The emissions associated with natural gas use were calculated using CalEEMod.

3.5.3 MOBILE SOURCE EMISSIONS

The Project related operational air quality emissions derive primarily from vehicle trips generated by the Project, including commercial visitor, residential, employee, and truck trips to and from the site and truck trips associated with the proposed uses. Trip characteristics available from the *Green River Ranch Specific Plan Amendment (SP00-001 Amendment No.1) Traffic Analysis (TA)* were utilized in this analysis (37).

APPROACH FOR ANALYSIS OF THE PROJECT

For purposes of analysis, CalEEMod default parameters were used to determine mobile-source emissions from all non-industrial land uses, which includes the commercial uses in Planning Area 4 and the 32 residential units planned in Planning Area 5. To determine emissions from passenger car vehicles, the CalEEMod defaults were utilized for trip length and trip purpose for the proposed Business Park Industrial land uses.

For the proposed Business Park Industrial uses, it is important to note that although the TA does not breakdown passenger cars by type, this analysis assumes that passenger cars include Light-Duty-Auto vehicles (LDA), Light-Duty-Trucks (LDT1⁴ & LDT2⁵), Medium-Duty-Vehicles (MDV), and Motorcycles (MCY) vehicle types. To account for emissions generated by passenger cars, the following fleet mix was utilized in this analysis:

TABLE 3-7: PASSENGER CAR FLEET MIX

Planning Areas 1, 2, and 3 Land Uses	Vehicle Type	%
High-Cube Cold Storage Warehouse/ Industrial Park	LDA	53.90
	LDT1	4.13

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.

Planning Areas 1, 2, and 3 Land Uses	Vehicle Type	%
	LDT2	22.26
	MDV	17.20
	MCY	2.51

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.

For purposes of analysis, CalEEMod default parameters were used to determine mobile-source emissions from all non-industrial land uses. To determine emissions from trucks for the proposed industrial uses, the analysis incorporated the SCAQMD recommended truck trip length of 15.3 miles for 2-axle (LHDT1, LHDT2) trucks, 14.2 miles 3-axle (MHDT) trucks and 40 miles for 4+-axle (HHDT) trucks and weighting the average trip lengths using traffic trip percentages taken from the *Green River Ranch Specific Plan Amendment (SP00-001 Amendment No.1) Traffic Analysis*. The trip length function for the proposed High-Cube Cold Storage Warehouse and Business Park Industrial Building Land use has been calculated to be 30.02 miles and an assumption of 100% primary trips. This trip length assumption is higher than the CalEEMod defaults for trucks.

In order to be consistent with the *Green River Ranch Specific Plan Amendment (SP00-001 Amendment No.1) Traffic Analysis*, trucks are broken down by truck type. The truck fleet mix is estimated by apportioning the trip rates for each truck type based on information provided in the *Green River Ranch Specific Plan Amendment (SP00-001 Amendment No.1) Traffic Analysis*. Heavy trucks are broken down by truck type (or axle type) and are categorized as either Light-Heavy-Duty Trucks (LHDT1⁶ & LHDT2⁷)/2-axle, Medium-Heavy-Duty Trucks (MHDT)/3-axle, and Heavy-Heavy-Duty Trucks (HHDT)/4+-axle. To account for emissions generated by trucks, the following fleet mix was utilized in this analysis:

TABLE 3-8: TRUCK FLEET MIX

Planning Areas 1, 2, and 3 Land Uses	Vehicle Type	%
High-Cube Cold Storage Warehouse/ Industrial Park	LHDT1	15.63
	LHDT2	4.46
	MHDT	19.20
	HHDT	60.71

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 break and tire wear particulates. The emissions estimate for travel on paved roads were calculated using CalEEMod.

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.

3.5.4 STATIONARY SOURCES

The proposed Project was conservatively assumed to include installation of a 300-horsepower diesel-powered fire pump at each industrial building, for a total of five emergency fire pumps. Each fire pump was estimated to operate for up to 1 hour per day, 1 day per week for up to 50 hours per year for maintenance and testing purposes. Emissions associated with the stationary emergency diesel-powered emergency generators/fire pumps were calculated using CalEEMod.

3.5.5 ON-SITE CARGO HANDLING EQUIPMENT EMISSIONS

It is common for warehouse buildings to require the operation of exterior yard trucks or cargo handling equipment (CHE) to move empty containers and empty chassis in the building's truck court areas. The cargo handling equipment is assumed to have a horsepower (hp) range of approximately 175 hp to 200 hp. Based on the latest available information from SCAQMD (38); for example, warehouse projects typically have 3.6-yard trucks/CHE per million square feet of building space. Since the proposed Project includes up to a 746,167-square-foot warehouse building, on-site modeled operational equipment is estimated to include up to three (3) 200 horsepower (hp), compressed natural gas or gasoline-powered tractors/loaders/backhoes operating at 4 hours a day⁸ for 365 days of the year.

3.5.6 TRU EMISSIONS

In order to account for the possibility of refrigerated uses, trucks associated with the cold-storage land use are assumed to also have TRUs. Therefore, for modeling purposes 86 two-way truck trips have the potential to include TRUs (e.g., all truck trips that would be associated with up to 111,925-sf of high-cube cold storage use, as summarized in the *Green River Ranch Specific Plan Amendment (SP00-001 Amendment No.1) Traffic Analysis* (37)). TRUs are accounted for during on-site and off-site travel. The TRU calculations are based on EMISSIONS FACtor Model version 2021 (EMFAC2021), developed by the CARB. EMFAC2021 does not provide emission rates per hour or mile as with the on-road emission model and only provides emission inventories. Emission results are produced in tons per day while all activity, fuel consumption and horsepower hours were reported at annual levels. The emission inventory is based on specific assumptions including the average horsepower rating of specific types of equipment and the hours of operation annually. These assumptions are not always consistent with assumptions used in the modeling of Project level emissions. Therefore, the emissions inventory was converted into emission rates to accurately calculate emissions from TRU operation associated with Project level details. This was accomplished by converting the annual horsepower hours to daily operational characteristics and converting the daily emission levels into hourly emission rates based on the total emission of each criteria pollutant by equipment type and the average daily hours of operations.

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.

3.5.7 GASOLINE DISPENSING EMISSIONS

Operational VOC emissions have been analyzed using CalEEMod analysis software and methodology and are based on the default assumptions for the convenience store with fueling positions use. The operational VOC emissions estimates associated with this use is shown on Table 3-9.

The storage, transfer and dispensing of gasoline is not expected to generate significant VOC emissions. The enhanced vapor recovery systems required by SCAQMD Rule 461 would substantially reduce VOC emissions and mitigate any potential for the project to exceed the daily emissions thresholds set by SCAQMD.

In 2022, CARB released the Gasoline Service Station Industrywide Risk Assessment Technical Guidance report which provides emission factors for loading, breathing, fueling, spillage and hose permeation for gasoline dispensing (39). This analysis conservatively assumes an annual throughput of 1,000,000 gallons of fuel/year or 2,740 gallons/day, and based on this throughput estimate, the Project is anticipated to emit an additional 1.22 lbs/day VOC emissions for gasoline dispensing. Thus, the total daily VOC emissions from operational emissions estimated by CalEEMod as well as VOCs from gasoline dispensing would be 58.76 lbs/day (57.54 lbs/day + 1.22 lbs/day). Gasoline dispensing emission calculations are provided in Appendix 3.6.

3.5.8 OPERATIONAL EMISSIONS SUMMARY

IMPACTS WITHOUT MITIGATION

The estimated operational-source emissions are summarized on Tables 3-9. Detailed operation model outputs for the Project are presented in Appendix 3.3. As shown on Table 3-9, the Project's daily regional emissions from on-going operations would exceed the summer VOC emissions which are primarily from consumer products and for both summer and winter, NO_x emissions which are primarily from vehicle emissions (tailpipe emissions) of vehicles traveling to and from the Project site.

TABLE 3-9: SUMMARY OF PEAK OPERATIONAL EMISSIONS – WITHOUT MITIGATION

Source	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
Mobile Source	35.63	59.42	282.46	0.95	67.91	18.03
Area Source	25.13	0.78	35.92	0.01	0.10	0.08
Energy Source	0.35	6.36	5.22	0.04	0.48	0.48
Stationary Sources	4.92	13.76	12.55	0.02	0.72	0.72
On-site Equipment	0.35	1.13	49.33	0.00	0.09	0.08
TRU Source	12.56	13.33	1.50	0.00	0.48	0.44
Fueling Station Source	1.22	0.00	0.00	0.00	0.00	0.00

Source	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Total Maximum Daily Emissions	80.17	94.77	386.99	1.01	69.79	19.85
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	NO	NO	NO	NO
Winter						
Mobile Source	33.37	62.85	241.24	0.91	67.91	18.03
Area Source	19.40	0.48	0.20	0.00	0.04	0.04
Energy Source	0.35	6.36	5.22	0.04	0.48	0.48
Stationary Sources	4.92	13.76	12.55	0.02	0.72	0.72
On-site Equipment	0.35	1.13	49.33	0.00	0.09	0.08
TRU Source	12.56	13.33	1.50	0.00	0.48	0.44
Fueling Station Source	1.22	0.00	0.00	0.00	0.00	0.00
Total Maximum Daily Emissions	72.18	97.90	310.06	0.97	69.73	19.80
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	NO	NO	NO	NO

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

RECOMMENDED OPERATIONAL MITIGATION MEASURES

MM AQ-2

Legible, durable, weather-proof signs shall be placed at truck access gates, loading docks, and truck parking areas that identify applicable CARB anti-idling regulations. At a minimum, each sign shall include: 1) instructions for truck drivers to shut off engines when not in use; 2) instructions for drivers of diesel trucks to restrict idling to no more than five (5) minutes once the vehicle is stopped, the transmission is set to "neutral" or "park," and the parking brake is engaged; and 3) telephone numbers of the building facilities manager and the CARB to report violations. Prior to the issuance of an occupancy permit, the Lead Agency shall conduct a site inspection to ensure that the signs are in place.

MM AQ-3

Prior to tenant occupancy for Planning Areas 1, 2 and 3, the Project Applicants or successors in interest shall provide documentation to the Lead Agency demonstrating that occupants/tenants of the Project site have been provided documentation on funding opportunities, such as the Carl Moyer Program, that provide incentives for using cleaner-than-required engines and equipment.

MM AQ-4

The minimum number of automobile electric vehicle (EV) charging stations required by the California Code of Regulations (CCR) Title 24 shall be provided. Final designs of Project buildings

shall include electrical infrastructure sufficiently sized to accommodate the potential installation of additional auto and truck EV charging stations.

MM AQ-5

All on-site outdoor cargo-handling equipment (including yard trucks, hostlers, yard goats, pallet jacks, forklifts, and other on-site equipment) shall be electric. All on-site indoor forklifts shall be powered by electricity.

IMPACTS WITH MITIGATION

Only MM AQ-5 can be readily modeled in CalEEMod. Implementation of all other MMs would in fact reduce emissions although they are not quantified as a conservative measure.

As previously stated, the Project is required to comply with SCAQMD Rule 2305, the Warehouse Indirect Source Rule. Rule 2305 requires owners and operators associated with warehouses 100,000 sf or larger are required to directly reduce NO_x and PM emissions, or to otherwise facilitate emission and exposure reductions of these pollutants in nearby communities.

Additionally, MM AQ-2 through MM AQ-5 are recommended to reduce project-related emissions but such reductions will not achieve levels that are less-than-significant. Despite the mitigation measures provided by Project and the anticipated regulations implemented by the EPA and CARB to improve truck efficiency, the estimated long-term emissions generated under full buildout of the proposed Project would exceed the SCAQMD's regional operational significance thresholds even with mitigation, as shown on Table 3-10. In addition, regarding VOC, it is important to note that approximately 20% of the total operational VOC emissions are derived from consumer products. For analytical purposes, consumer products include cleaning supplies, aerosols, and other consumer products (40). As such, the Project Applicant cannot meaningfully control the use of consumer products by future building users via mitigation. On this basis, it is concluded that Project operational-source VOC emissions cannot be definitively reduced below applicable SCAQMD thresholds and therefore are considered significant and unavoidable. Similarly, the predominance of the Project's operational-source emissions (approximately 44% of VOC emissions, 78% of NO_x emissions,) are generated by passenger cars and trucks accessing the Project. Neither the Project Applicant nor the Lead Agency (City of Corona) have regulatory authority to control tailpipe or consumer product emissions, and no feasible MMs beyond the measures identified herein exist that would reduce Project operational-source VOC and NO_x emissions to levels that are less-than-significant. Therefore, the proposed Project would result in a significant and unavoidable impact even with mitigation as shown on Table 3-10.

TABLE 3-10: SUMMARY OF PEAK OPERATIONAL EMISSIONS – WITH MITIGATION

Source	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
Mobile Source	35.63	59.42	282.46	0.95	67.91	18.03
Area Source	25.13	0.78	35.92	0.01	0.10	0.08

Source	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Energy Source	0.35	6.36	5.22	0.04	0.48	0.48
Stationary Sources	4.92	13.76	12.55	0.02	0.72	0.72
TRU Source	12.56	13.33	1.50	0.00	0.48	0.44
Fueling Station Source	1.22	0.00	0.00	0.00	0.00	0.00
Total Maximum Daily Emissions	79.81	93.64	337.66	1.01	69.70	19.77
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	NO	NO	NO	NO
Winter						
Mobile Source	33.37	62.85	241.24	0.91	67.91	18.03
Area Source	19.40	0.48	0.20	0.00	0.04	0.04
Energy Source	0.35	6.36	5.22	0.04	0.48	0.48
Stationary Sources	4.92	13.76	12.55	0.02	0.72	0.72
TRU Source	12.56	13.33	1.50	0.00	0.48	0.44
Fueling Station Source	1.22	0.00	0.00	0.00	0.00	0.00
Total Maximum Daily Emissions	71.83	96.77	260.72	0.97	69.64	19.72
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	NO	NO	NO	NO

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

3.5.8 POTENTIAL OVERLAP OF CONSTRUCTION AND OPERATIONAL ACTIVITY

Based on the assumed construction and buildout schedule of the proposed Project, there is potential for overlap between construction and operational activity. The preceding analysis of the construction emissions and operational emissions was completed pursuant to the SCAQMD 1993 CEQA Handbook which details parameters to quantify construction and operation emissions separately and compare each to the applicable construction and operational thresholds of significance. SCAQMD has not developed or published a combined construction and operational emission significance threshold.

Combining the construction emissions with the operational emissions will present a maximum daily emission representing peak building construction activity and half of the Project site operational activity, a scenario that may not occur.

As such, construction and operational emissions have been totaled to show the theoretical overlap of the construction and operational activities. It should be noted that the SCAQMD does not have different thresholds for overlapping activities, rather the SCAQMD has separate thresholds for construction activity and operational activity. As such, the potential emissions from overlapping construction and operational activity shown in Table 3-11 are provided for informational purposes only.

TABLE 3-11: POTENTIAL OVERLAP OF CONSTRUCTION AND OPERATIONAL ACTIVITY

Emissions	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
Building Construction Emissions Planning Areas 4 and 5	33.76	69.91	82.95	0.30	13.62	4.86
Operational Emissions Planning Areas 1, 2, and 3	80.17	94.77	386.99	1.01	69.79	19.85
Total Maximum Daily Emissions	113.92	164.68	469.94	1.31	83.41	24.71
Winter						
Building Construction Emissions Planning Areas 4 and 5	33.63	71.24	82.26	0.30	13.62	7.90
Operational Emissions Planning Areas 1, 2, and 3	72.18	97.90	310.06	0.97	69.73	19.80
Total Maximum Daily Emissions	105.82	169.14	392.32	1.27	83.35	27.70

Source: CalEEMod localized operational-source emissions are presented in Appendices 3.2 and 3.3.

3.6 LOCALIZED SIGNIFICANCE

BACKGROUND ON LOCALIZED SIGNIFICANCE THRESHOLD (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). Because the Project site is greater than 5 acres in size, air dispersion modeling was performed for this analysis consistent with the LST Methodology in order to determine whether Project emissions have the potential to result in exceedances of the NAAQS/CAAQS at nearby receptors.

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 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.

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 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."

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* (41).

EMISSIONS CONSIDERED

Based on SCAQMD's *LST Methodology*, emissions for concern during construction activities are on-site NO_x, CO, PM_{2.5}, and PM₁₀. The *LST Methodology* clearly states that "off-site mobile emissions from the Project should not be included in the emissions compared to LSTs (42)." 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 PM₁₀ and PM_{2.5} consistent with SCAQMD's LST guidance.

In order to account for equipment exhaust emissions from NO₂, CO, PM₁₀, 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 Riverside monitoring station was utilized, as this is the nearest station to the Project site for which meteorological data is available. Additionally, a receptor height of 2 meters and regulatory default options were utilized consistent with SCAQMD's LST guidance.

RECEPTORS

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

Some people are especially sensitive to air pollution and are given special consideration when evaluating air quality impacts from projects. These groups of people include children, the elderly,

and individuals with pre-existing respiratory or cardiovascular illness. Structures that house these persons or places where they gather are defined as “sensitive receptors.” These structures typically include uses such as residences, hotels, and hospitals where an individual can remain for 24 hours. Consistent with the LST Methodology, the nearest land use to the Project site where an individual could remain for 24 hours has been used to determine construction and operational air quality impacts for emissions of PM₁₀ and PM_{2.5}, since PM₁₀ and PM_{2.5} thresholds are based on a 24-hour averaging time.

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 on-site for a full 24 hours but are typically on-site for 8 hours or less. However, *LST Methodology* explicitly states that “LSTs based on shorter averaging periods, such as the NO₂ and CO LSTs, could also be applied to receptors such as industrial or commercial facilities since it is reasonable to assume that a worker at these sites could be present for periods of one to eight hours (42).” 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 PM₁₀ and PM_{2.5} analysis, must be considered to determine construction and operational LST air impacts for emissions of NO₂ and CO since these pollutants have an averaging time of 1 and 8 hours.

PROJECT-RELATED RECEPTORS

Receptors in the Project study area are described below and shown on Exhibit 3-B. Localized air quality impacts were evaluated at 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 4489 Feather River Road, approximately 676 feet north of Planning Area 4 of the Project site. R1 is placed at the private outdoor living area (backyard) facing the Project site.
- R2: Location R2 represents the sensitive residence at 1220 Dominguez Ranch Road, approximately 652 feet east of Planning Areas 1, 2, and 3 of the Project site. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R2 is placed at the residential building façade.
- R3: Location R3 represents the existing residence at 4341 San Viscaya Circle, approximately 246 feet east of Planning Areas 1, 2, and 3 the Project site and 465 feet northeast of Planning Area 5 of the Project site. R3 is placed at the private outdoor living area (backyard) facing the Project site.
- R4: Location R4 represents the mobile homes at 4901 Green River Road, approximately 1,195 feet west of Planning Areas 1, 2, and 3 the Project site. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R4 is placed at the residential building façade.
- R5: Location R5 represents the existing residence at 4717 Green River Road, approximately 1,158 feet northwest of Planning Areas 1, 2, and 3 the Project site. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R5 is placed at the residential building façade.

- R6: Location R6 represents Re/Max Professional Real Estate Agency at 4740 Green River Road, approximately 800 feet northwest of Planning Areas 1, 2, and 3 the Project site and 1,074 feet northwest of Planning Area 5 of the Project site.
- R7: Location R7 represents the office building for the American Home Remodeling company at 4375 Prado Road, approximately 736 feet northeast of Planning Area 4 of the Project site.
- R8: Location R8 represents the Green River Promenade at 4330 Green River Road, approximately 151 feet east of Planning Areas 1, 2, and 3 of the Project site.

EXHIBIT 3-B: SENSITIVE RECEPTOR LOCATIONS



LEGEND:

N

● Receptor Locations

— Distance from receptor to Project site boundary (in feet)

□ Site Boundary

3.7 CONSTRUCTION-SOURCE EMISSIONS LST ANALYSIS

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 in Table 3-12. All other modeled locations in the study area would experience a lesser concentration and consequently a lesser impact. Without mitigation, localized construction emissions would not exceed the applicable SCAQMD LSTs for emissions of any criterion pollutant. Notwithstanding, implementation of MM AQ-1 would further reduce localized emissions in Planning Areas 1, 2, and 3. As such, the Project's localized impacts during construction activity would be less than significant. Outputs from the model runs for construction LSTs are provided in Appendix 3.1.

TABLE 3-12 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	0.02	0.01	1.43E-02	0.59	0.34
Background Concentration ^A	1.70	1.20	0.085		
Total Concentration	1.72	1.21	0.10	0.59	0.34
SCAQMD Localized Significance Threshold ^B	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, PM₁₀ and PM_{2.5} background concentrations are not considered.

^B Significance thresholds are based on SCAQMD's Air Quality Significance Thresholds for Ambient Air Quality Standards for Criteria Pollutants (35).

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

3.8 OPERATIONAL-SOURCE EMISSIONS LST ANALYSIS

The LST analysis generally includes on-site sources (area, energy, mobile, and on-site cargo handling equipment – are previously discussed in Section 3.5 of this report). However, it should be noted that the CalEEMod outputs do not separate on-site and off-site emissions from mobile sources. As such, to establish a maximum potential impact scenario for analytic purposes, the modeled emissions include all on-site Project-related stationary (area) sources and on-site Project-related mobile emissions. In order to account for on-site mobile emissions, a trip length of 1.50 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 in Table 3-13. All other modeled locations in the study area would experience a lesser concentration and consequently

a lesser impact. As such, the Project's localized impacts during operational activity would be less than significant. Outputs from the model runs for operational LSTs are provided in Appendix 3.4.

TABLE 3-13: LOCALIZED SIGNIFICANCE SUMMARY PEAK OPERATIONS

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	1.96E-02	8.31E-03	3.33E-03	0.15	0.05
Background Concentration ^A	1.70	1.20	0.085		
Total Concentration	1.72	1.21	0.09	0.15	0.05
SCAQMD Localized Significance Threshold ^B	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, PM₁₀ and PM_{2.5} background concentrations are not considered.

^B Significance thresholds are based on SCAQMD's Air Quality Significance Thresholds for Ambient Air Quality Standards for Criteria Pollutants (35).

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

3.9 CO "HOT SPOT" ANALYSIS

As discussed below, the Project would not result in potentially adverse CO concentrations or "hot spots." 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 periods¹⁰. This "hot spot" analysis did not predict any exceedance of the 1-hour (20.0 ppm) or 8-hour (9.0 ppm) CO standards, as shown on Table 3-14.

¹⁰ The CO "hot spot" analysis conducted in 2003 is the most current study used for CO "hot spot" analysis in the SCAB.

TABLE 3-14: CO MODEL RESULTS

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

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

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

Based on the SCAQMD's 2003 AQMP and the 1992 Federal Attainment Plan for Carbon Monoxide (*1992 CO Plan*), peak carbon monoxide concentrations in the SCAB were a result of unusual meteorological and topographical conditions and not a result of traffic volumes and congestion at a particular intersection. As evidence of this, for example, of the 8.4 ppm 8-hr CO concentration measured at the Long Beach Blvd. and Imperial Hwy. intersection (i.e., the highest CO generating intersection within the “hot spot” analysis), only 0.7 ppm was attributable to the traffic volumes and congestion at this intersection; the remaining 7.7 ppm were due to the ambient air measurements at the time the 2003 AQMP was prepared (43). 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 1.7 ppm and 1.2 ppm, respectively (data from Metropolitan Riverside County 3 station for 2023). Therefore, even if the traffic volumes for the proposed Project were ten times the traffic volumes generated at the Long Beach Blvd. and Imperial Hwy. intersection, due to the on-going improvements in ambient air quality and vehicular emissions controls, the Project would not be capable of resulting in a CO “hot spot” at any study area intersections. As noted above, only 0.7 ppm were attributable to the traffic volumes and congestion at one of the busiest intersections in the SCAB. Therefore if these traffic volumes were multiplied by ten times, it could be expected that the CO attributable to traffic would increase tenfold as well, resulting in 7 ppm – even if this were added to either the 1-hour or 8-hour CO concentrations within the Project study area, this would result in 8.7 ppm and 8.2 ppm for the 1-hr and 8-hr timeframes, respectively. Neither of which would exceed the applicable 1-hr standard of 20 ppm or the 8-hr standard of 9 ppm.

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 (44). Traffic volumes generating the CO concentrations for the “hot spot” analysis is shown on Table 3-15. The busiest intersection evaluated was that at Wilshire Boulevard and Veteran Avenue, which had AM/PM traffic volumes of 8,062 vph and 7,719 vph respectively (43)

TABLE 3-15: TRAFFIC VOLUMES

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

Source: 2003 AQMP

As summarized on Table 3-16 below, the intersection of Green River Road and SR-91 Eastbound Ramps would have the highest AM/PM traffic volumes of 2,669 vph and 2,940 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 3-16: OY CUMALATIVE WITH PROJECT TRAFFIC VOLUMES

Intersection Location	Peak Traffic Volumes (vph)				
	Northbound (AM/PM)	Southbound (AM/PM)	Eastbound (AM/PM)	Westbound (AM/PM)	Total (AM/PM)
Green River Rd. & SR-91 EB Ramps	1973/616	345/588	352/1736	0/0	2669/2940
Street A & Green River Rd.	60/189	174/129	409/1950	2030/560	2673/2827
Dominguez Ranch Rd. & Green River Rd.	191/143	0/0	347/1994	1897/518	2435/2654
Green River Rd. & Palisades Dr.	0/0	354/146	363/1901	1667/519	2383/2565

Source: Green River Ranch Specific Plan Amendment Traffic Analysis (Urban Crossroads, Inc., 2024)

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

In December 2022, the SCAQMD released the *Final 2022 AQMP (2022 AQMP)*. The *2022 AQMP* continues to evaluate current integrated strategies and control measures to meet the CAAQS, as well as explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels (45). 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 (46). 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* (47). These indicators are discussed below:

3.10.1 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

The violations that Consistency Criterion No. 1 refers to are the CAAQS and NAAQS. CAAQS and NAAQS violations would occur if localized or regional significance thresholds were exceeded. The Project would not exceed the applicable regional significance thresholds for construction activity (after mitigation).

Operational Impacts – Consistency Criterion 1

The Project has the potential to exceed the applicable regional significance thresholds for operational activity. Therefore, the Project has the potential to conflict with the AQMP according to this criterion.

On the basis of the preceding discussion, the Project is determined to have the potential to conflict with the first criterion.

3.10.2 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 City of Corona 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

Per the City's General Plan, Planning Areas 1, 2, and 3 are designated Mixed Use 2: Industrial Commercial and General Commercial uses. Planning Areas 4 and 5 are designated for Mixed Use 2: Industrial Commercial and Estate Residential uses, respectively. The Mixed Use 2: Industrial Commercial designated allows for exclusively light industrial and commercial uses. The General Commercial land use designation allows for the development of supermarkets, department stores, apparel stores, theaters, and nonretail uses such as offices and banks. The Estate Residential designation includes the development of single-family homes, light agriculture uses, and accessory buildings (48). As previously stated, the Project consists of 746,167 sf of building space and for purposes of this analysis is studied as 634,242 sf of Industrial Park use (85 percent [%] of the total Business Park Industrial square footage) and 111,925 sf of High-Cube Cold Storage Warehouse use (15% of the total Business Park Industrial square footage). Although specific development plans are not proposed for the other areas of the property, the estate residential area is evaluated at its maximum buildout of 32 residential estate lots and the general commercial area is studied as containing the same commercial uses assumed when the Specific Plan was first adopted, which are still reasonably foreseeable uses – a super convenience market/gas station with 12 vehicle fueling positions and 2,500 sf of fast-food restaurant with drive-thru window use, 4,200 square feet of Fine Dining Restaurant use, and 9,500 square feet of High Turnover (Sit-Down) Restaurant use. The Project's proposed uses and development is consistent with the land use designation intensities stated in the General Plan and the adopted Green River Ranch Specific Plan; however, because the proposed placement and arrangement of land uses is different, a General Plan Amendment and a Specific Plan Amendment are required.

Notwithstanding, the Project would exceed the applicable SCAQMD regional threshold for construction and operational-source activity for emissions of summer VOC and NO_x and is therefore considered significant and unavoidable.

On the basis of the preceding discussion, the Project is determined to have the potential to conflict with the second criterion.

AQMP CONSISTENCY CONCLUSION

The Project has the potential to result in or cause NAAQS or CAAQS violations. Construction-source and operational-source emissions would exceed the applicable SCAQMD regional thresholds for summer VOC and NO_x. The Project's proposed land use designation for the subject site would potentially affect the development intensities. As such, the Project is considered to have the potential to conflict with the AQMP and a potential significant impact would occur with respect to this threshold.

3.11 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.

3.11.1 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 Environmental Impact Report's (EIR) air quality analysis must meaningfully connect the identified air quality impacts to the human health consequences of those impacts, or meaningfully explain why that analysis cannot be provided.

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 (49) noted that it may be "difficult to quantify health impacts for criteria pollutants." SCAQMD used O₃ 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 O₃ "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 PM 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. 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, PM₁₀, 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.

3.12 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

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 operations of the proposed gas station 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.

Potential sources that may emit odors during operations of the proposed Project would primarily occur from odor emissions from the gas station and from refused that would be stored in covered containers and removed at regular intervals in compliance with the solid waste regulations. Pursuant to SCAQMD Rule 461 the proposed gas station will be required to utilize gas dispensing equipment that minimizes vapor and liquid leaks and requires that the equipment be maintained at proposed worker odor, which will minimize odor impacts occurring from the gasoline and diesel dispensing facilities. Additionally, it is expected that Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with the solid waste regulations. The proposed Project would also be required to comply with SCAQMD Rule 402 and Rule 461. Therefore, odors associated with the proposed Project construction and operations would be less than significant and no mitigation is required (50).

3.13 CUMULATIVE IMPACTS

As previously shown in Table 2-3, the CAAQS designate the Project site as nonattainment for O₃, PM₁₀, and PM_{2.5} while the NAAQS designates the Project site as nonattainment for O₃ and PM_{2.5}.

The SCAQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (51). In this report the SCAQMD clearly states (Page D-3):

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

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

Therefore, this analysis assumes that individual projects that do not generate operational or construction emissions that exceed the SCAQMD’s recommended daily thresholds for project-specific impacts would also not cause a cumulatively considerable increase in emissions for those pollutants for which SCAB is in nonattainment, and, therefore, would not be considered to have a significant, adverse air quality impact. 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 proposed Project construction-source air pollutant emissions would not result in exceedances of regional thresholds after implementation of mitigation. Therefore, proposed Project construction-source emissions would be considered less than significant on a project-specific and cumulative basis.

OPERATIONAL IMPACTS

Project operational-source summer VOC and NO_x emissions will exceed applicable SCAQMD regional thresholds. Per SCAQMD significance guidance, these impacts at the Project level are also considered cumulatively significant and would persist over the life of the Project. VOCs and NO_x emissions are ozone precursors and would therefore contribute considerably to existing ozone non-attainment conditions within the SCAB. This is a cumulatively significant impact persisting over the life of the Project.

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5 CERTIFICATIONS

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

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Master of Science in Environmental Studies
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AEP – Association of Environmental Planners
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Planned Communities and Urban Infill – Urban Land Institute • June 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008
Principles of Ambient Air Monitoring – CARB • August 2007
AB2588 Regulatory Standards – Trinity Consultants • November 2006
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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 Fluorescence; 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, PM_{2.5}, 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 µg/m³ is equal to or less than one. For PM_{2.5}, 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 PM_{2.5} primary standard was lowered from 15 µg/m³ to 12.0 µg/m³. The existing national 24-hour PM_{2.5} standards (primary and secondary) were retained at 35 µg/m³, as was the annual secondary standard of 15 µg/m³. The existing 24-hour PM₁₀ standards (primary and secondary) of 150 µg/m³ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO₂ standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO₂ national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
12. The CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 µg/m³ 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.

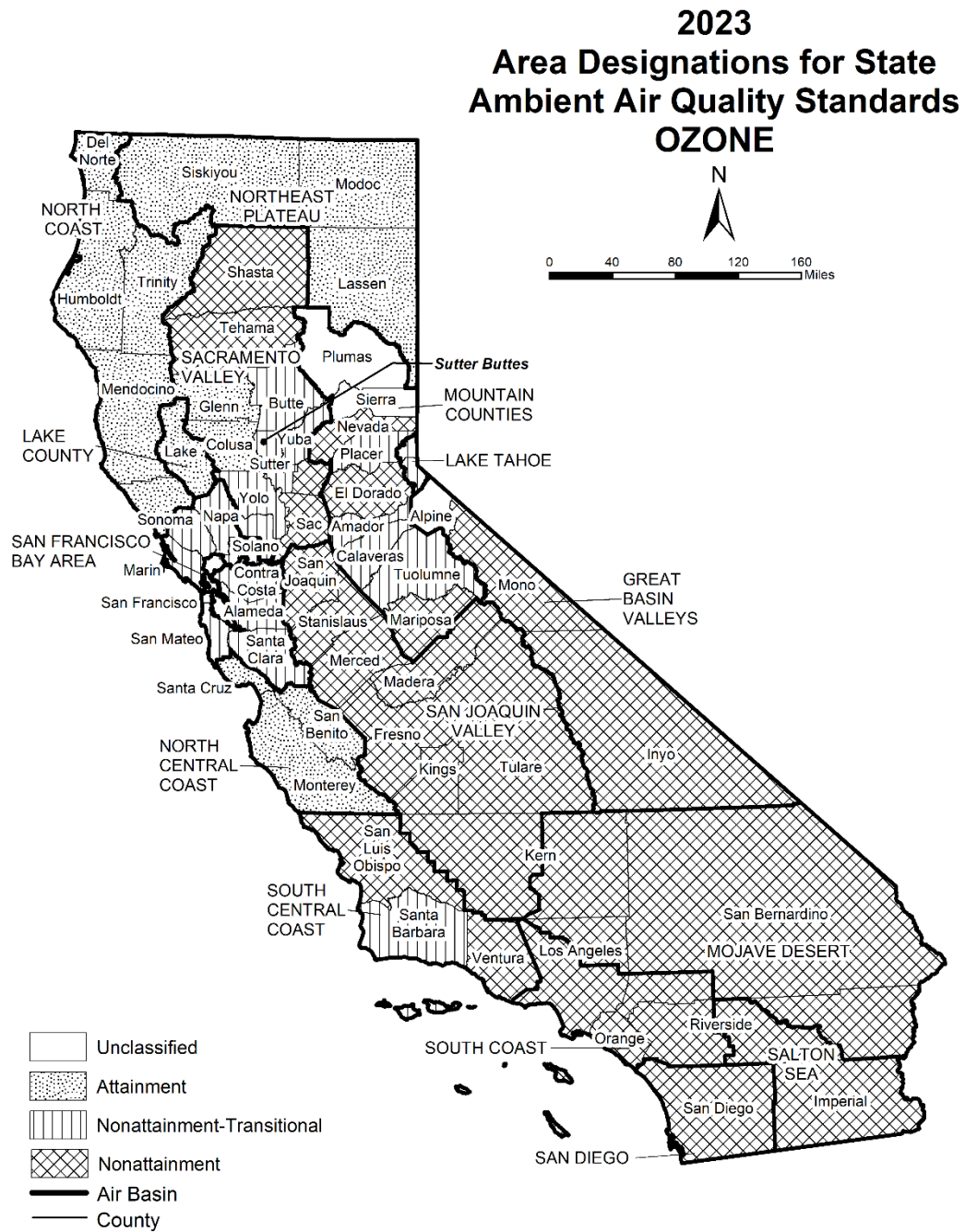
Area Designations for the State Ambient Air Quality Standards

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



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

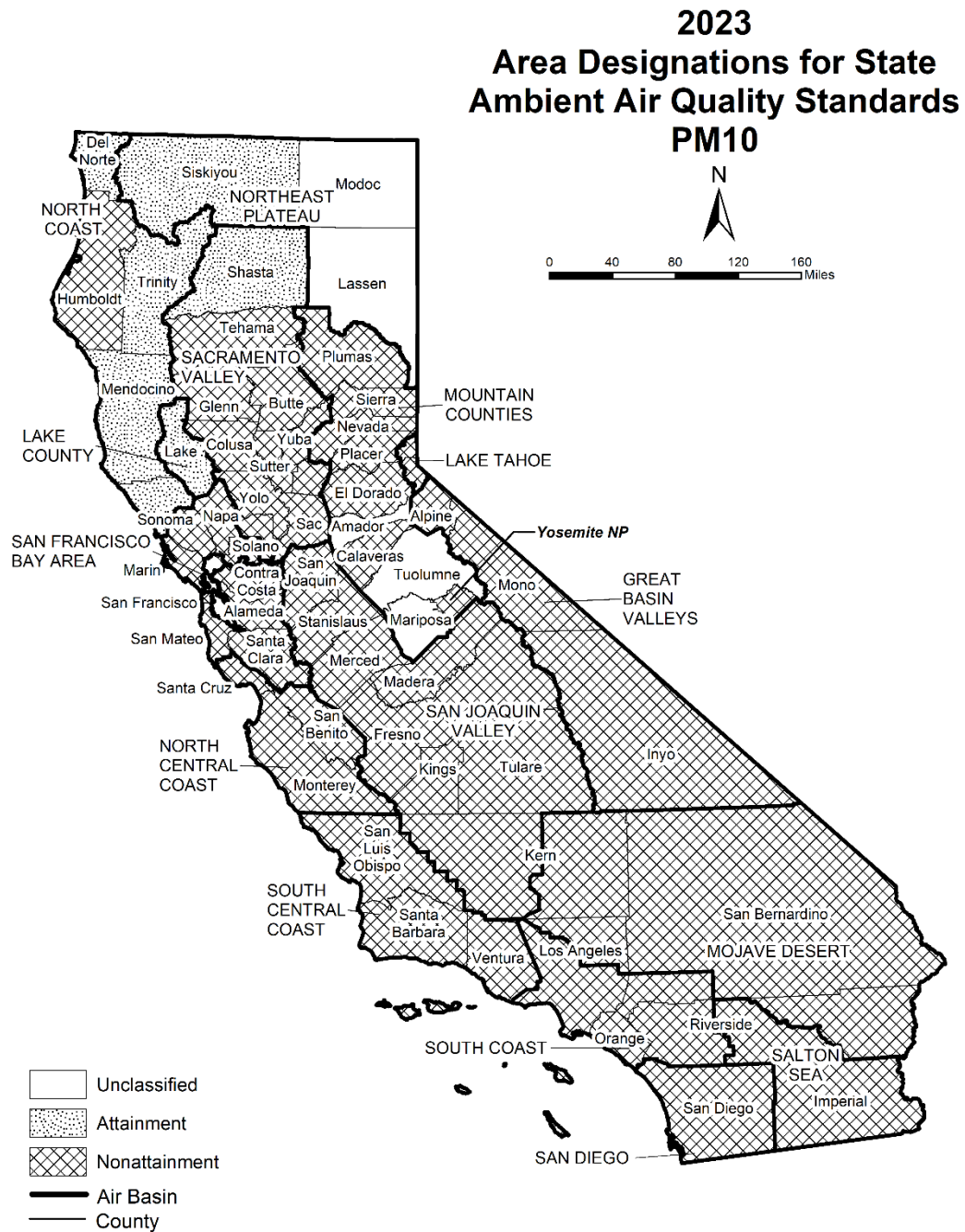
Table 1
California Ambient Air Quality Standards Area Designations for
Ozone¹

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



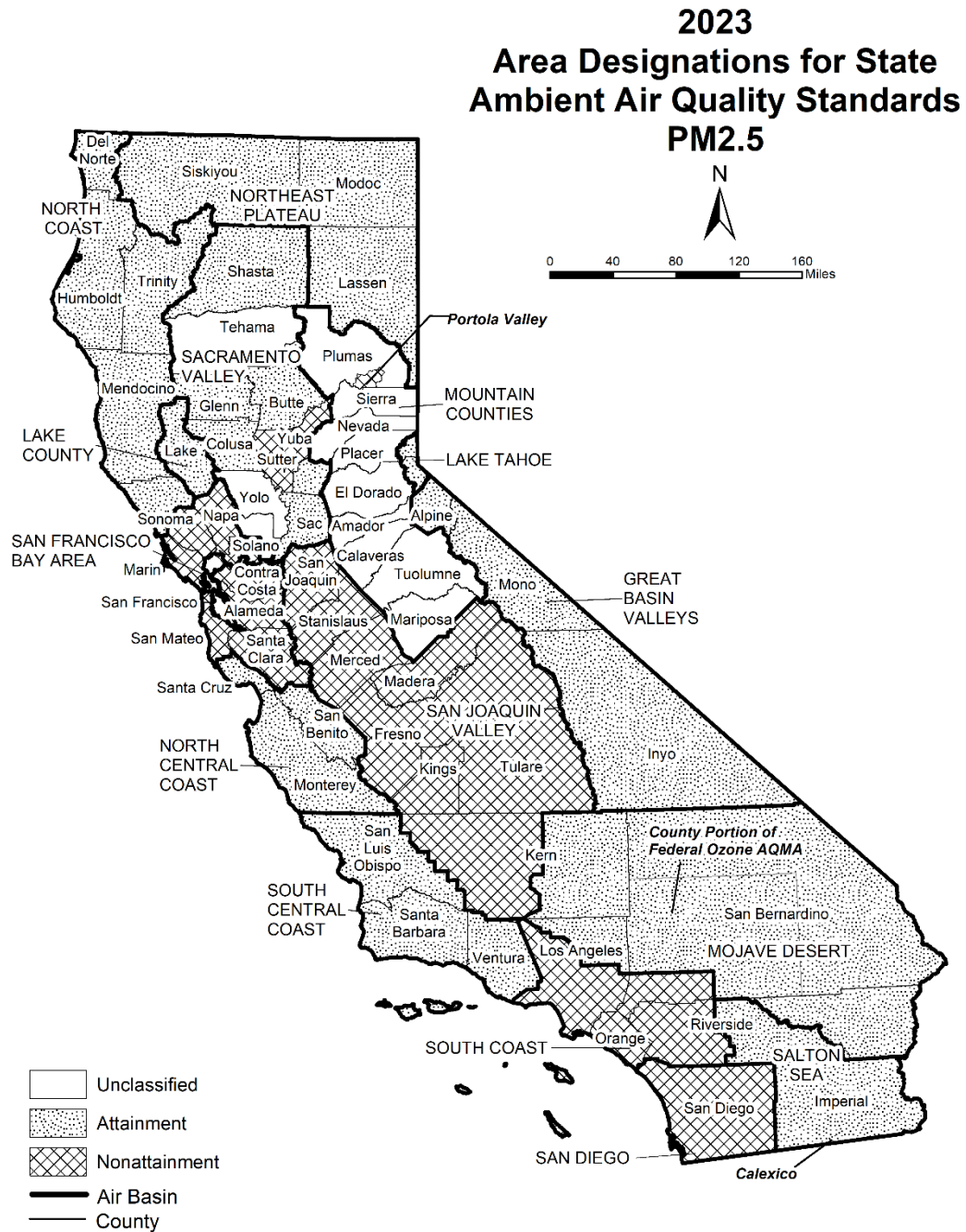
Last Updated: November 2023
Air Quality Planning and Science Division, CARB

Table 2
California Ambient Air Quality Standards Area Designations for
Suspended Particulate Matter (PM₁₀)

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



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

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

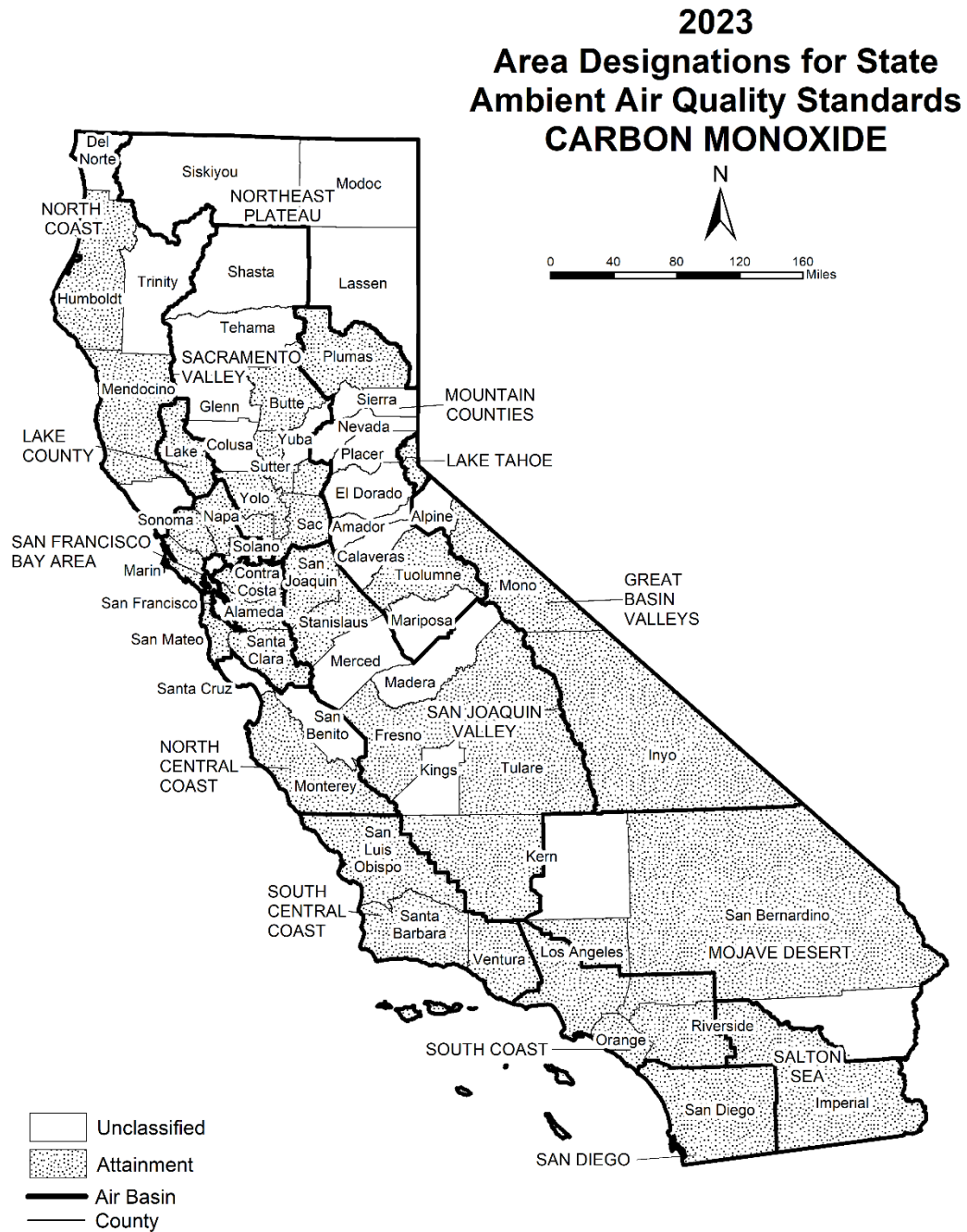
Area	N	U	A
GREAT BASIN VALLEYS AIR BASIN			A
LAKE COUNTY AIR BASIN			A
LAKE TAHOE AIR BASIN			A
MOJAVE DESERT AIR BASIN			A
MOUNTAIN COUNTIES AIR BASIN			
Plumas County			
- Portola Valley ¹	N		
- Remainder Plumas County		U	
Remainder of Air Basin		U	
NORTH CENTRAL COAST AIR BASIN			A
NORTH COAST AIR 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



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

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



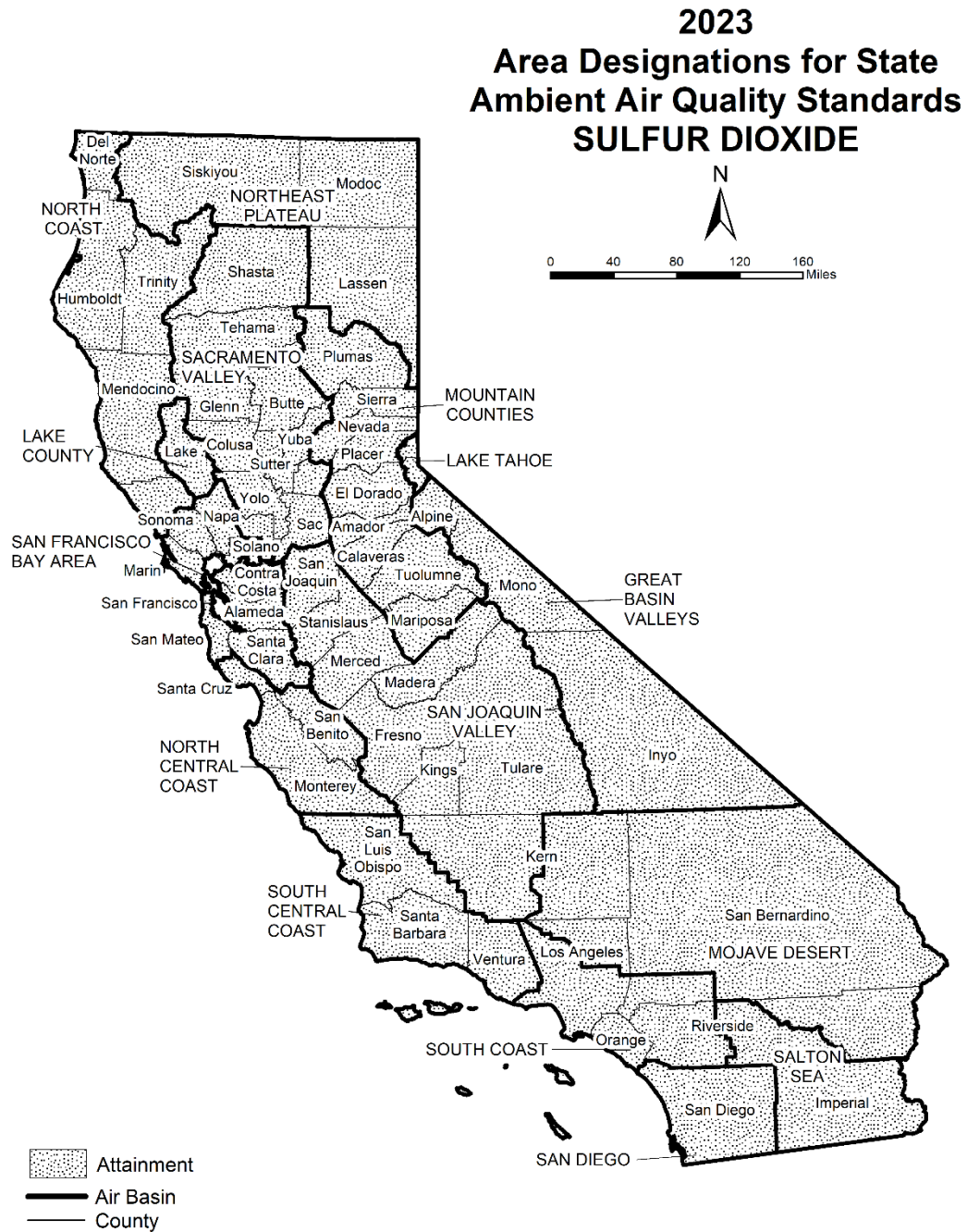
Last Updated: November 2023
Air Quality Planning and Science Division, CARB

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

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			
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
Air Quality Planning and Science Division, CARB

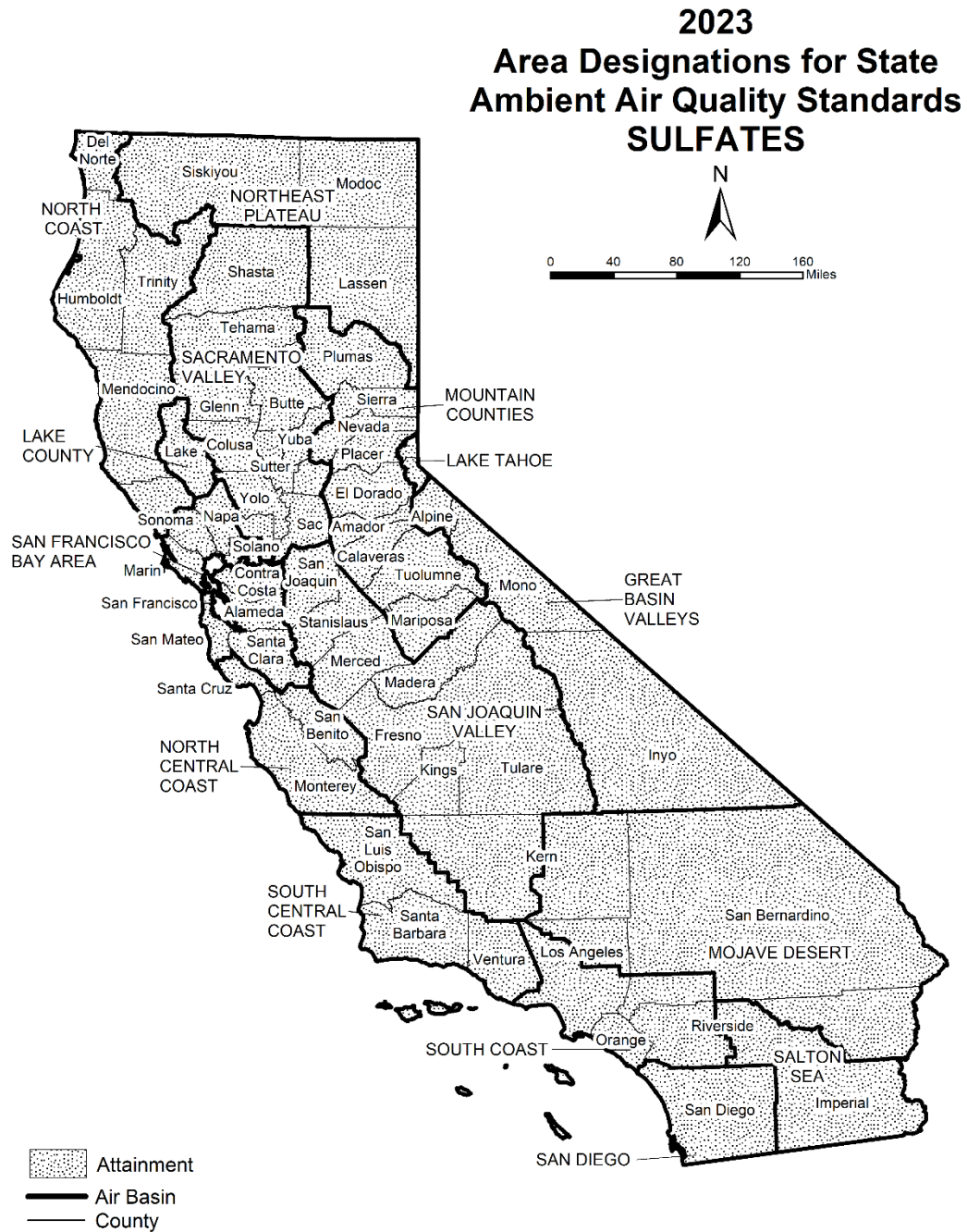
Table 6
California Ambient Air Quality Standards Area Designations for Sulfur Dioxide*

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



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

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
Air Quality Planning and Science Division, CARB

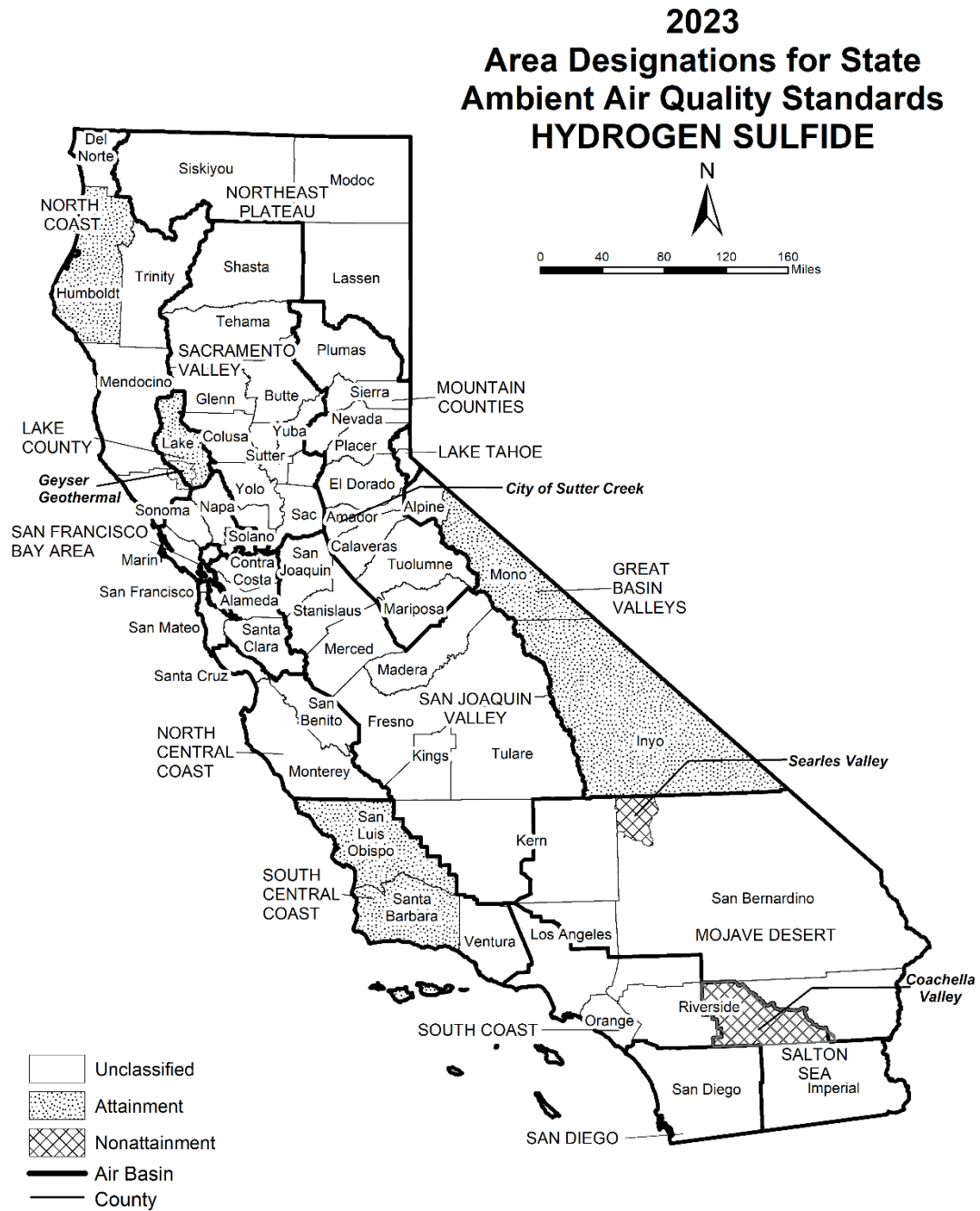
Table 8
California Ambient Air Quality Standards Area Designations for
Lead (particulate)*

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	

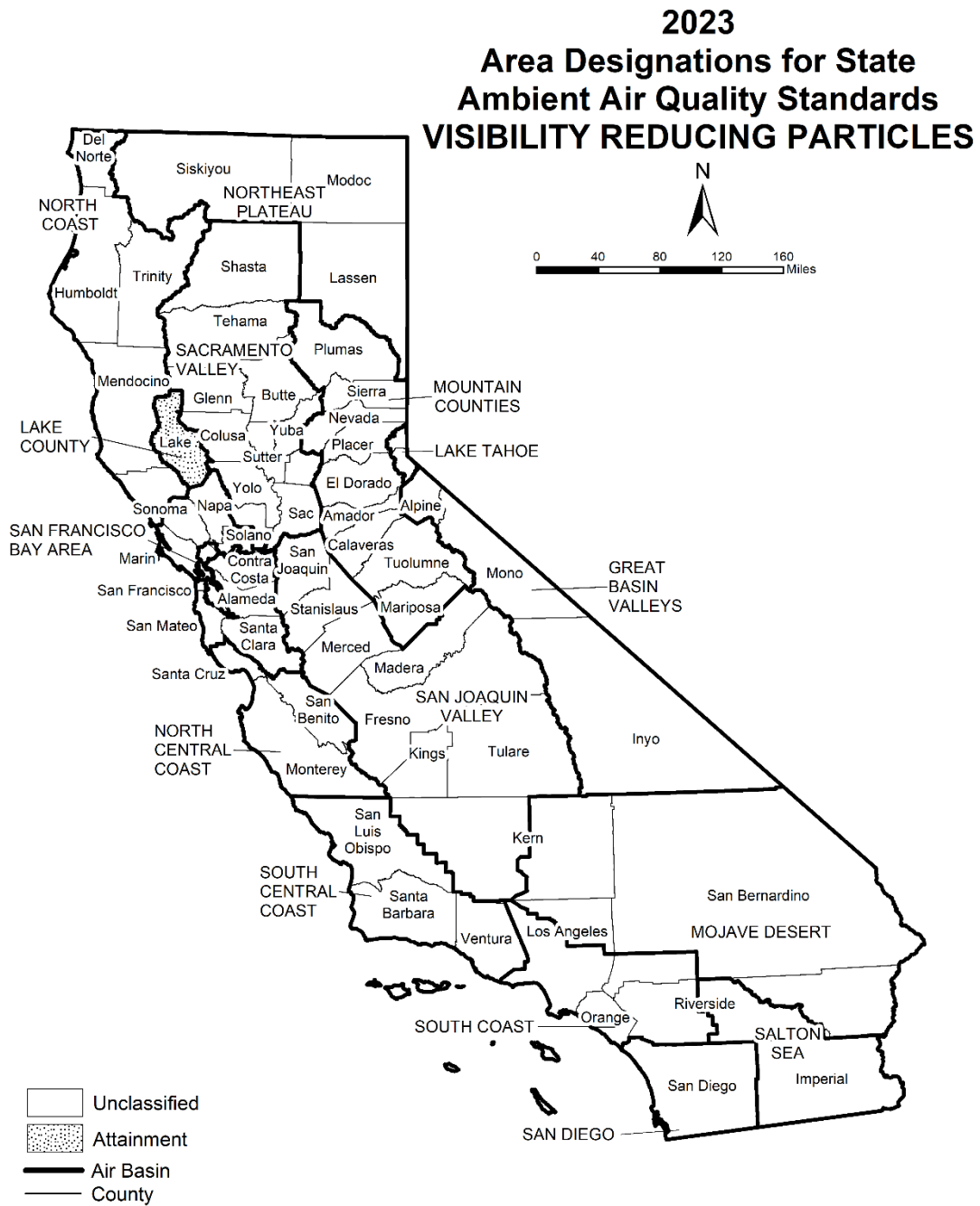
Area	N	NA-T	U	A
NORTH CENTRAL COAST AIR BASIN			U	
NORTH COAST AIR BASIN				
Del Norte County			U	
Humboldt County				A
Mendocino County			U	
Sonoma County (portion)				
- Geyser Geothermal Area ²				A
- Remainder of County			U	
Trinity County			U	
NORTHEAST PLATEAU AIR BASIN			U	
SACRAMENTO VALLEY AIR 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 (PM₁₀). The U.S. EPA uses three categories to designate areas with respect to PM₁₀:

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

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

- Nonattainment (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/m³. Area designations were finalized in December 2014. The current designation map reflects the most recently revised (2012) annual average standard of 12.0 µg/m³ as well as the 24-hour standard of 35 µg/m³, revised in 2006.

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

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

- Nonattainment (N),
- Unclassifiable (U), and
- Unclassifiable/Attainment (U/A).

On June 2, 2010, the U.S. EPA established a new primary 1-hour SO₂ standard of 75 parts per billion (ppb). At the same time, U.S. EPA revoked the 24-hour and annual average standards. Area designations for the 1-hour SO₂ standard were finalized on December 21, 2017 and are reflected in the area designations map.

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

Designation Areas

From time to time, the boundaries of the California air basins have been changed to facilitate the planning process. CARB generally initiates these changes, and they are not always reflected in the U.S. EPA's area designations. For purposes of consistency, the maps in this attachment reflect area designation boundaries and nomenclature as promulgated by the U.S. EPA. In some cases, these may not be the same as those adopted by CARB. For example, the national area designations reflect the former Southeast Desert Air Basin. In accordance with Health and Safety Code section 39606.1, CARB redefined this area in 1996 to be the Mojave Desert Air Basin and Salton Sea Air Basin. The definitions and boundaries for all areas designated for the national standards can be found in Title 40, Code of Federal Regulations (CFR), Chapter I, Subchapter C, Part 81.305. They are available on the web at: https://ecfr.io/Title-40/se40.20.81_1305

Figure 11



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:

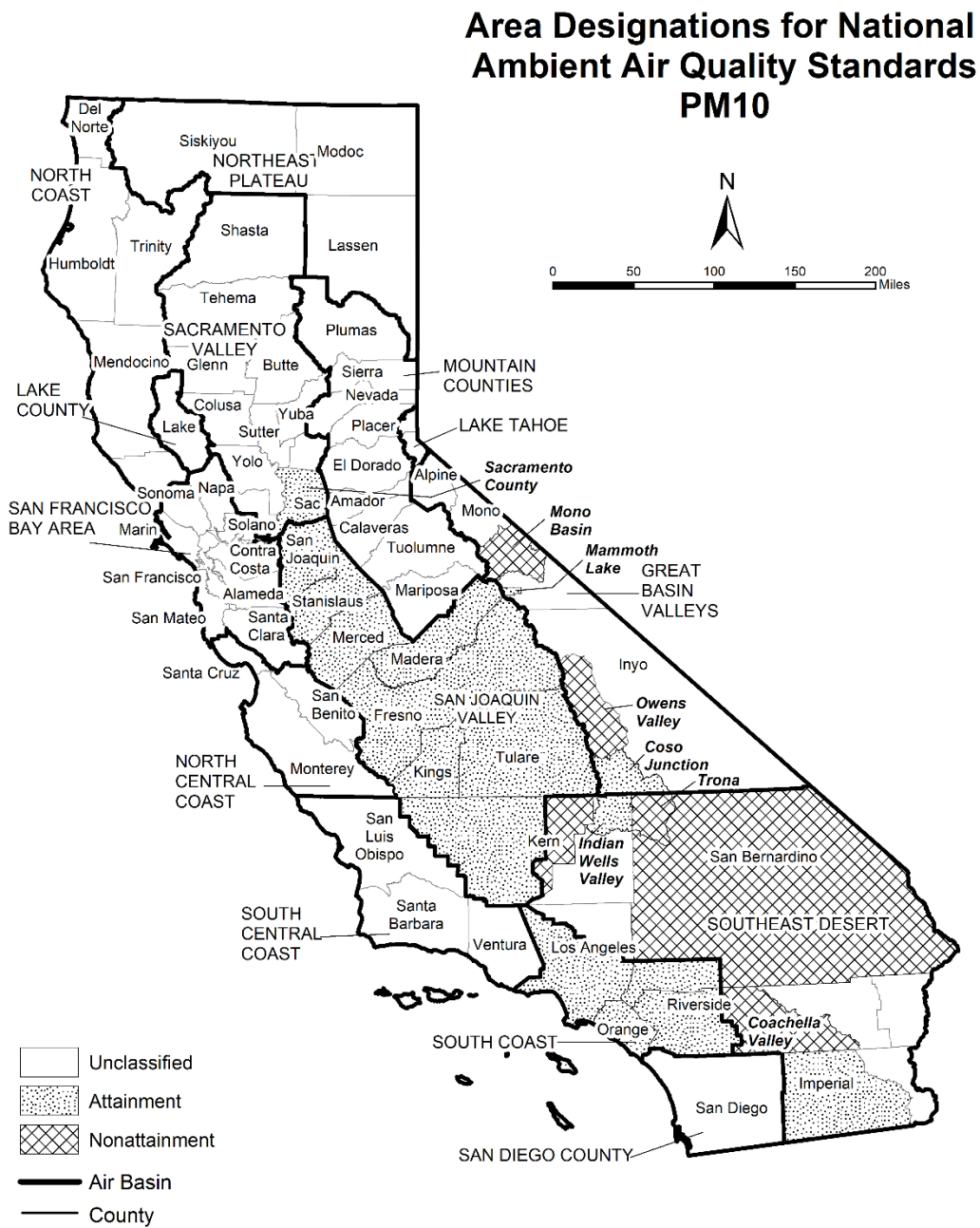
Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.

Ventura County includes Anacapa and San Nicolas Islands.

South Coast Air Basin:

Los Angeles County includes San Clemente and Santa Catalina Islands.

Figure 12



Last Updated: November 2023
Air Quality Planning and Science Division

Table 12
National Ambient Air Quality Standards Area Designations for
Suspended Particulate Matter (PM₁₀)*

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 PM₁₀ 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



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.

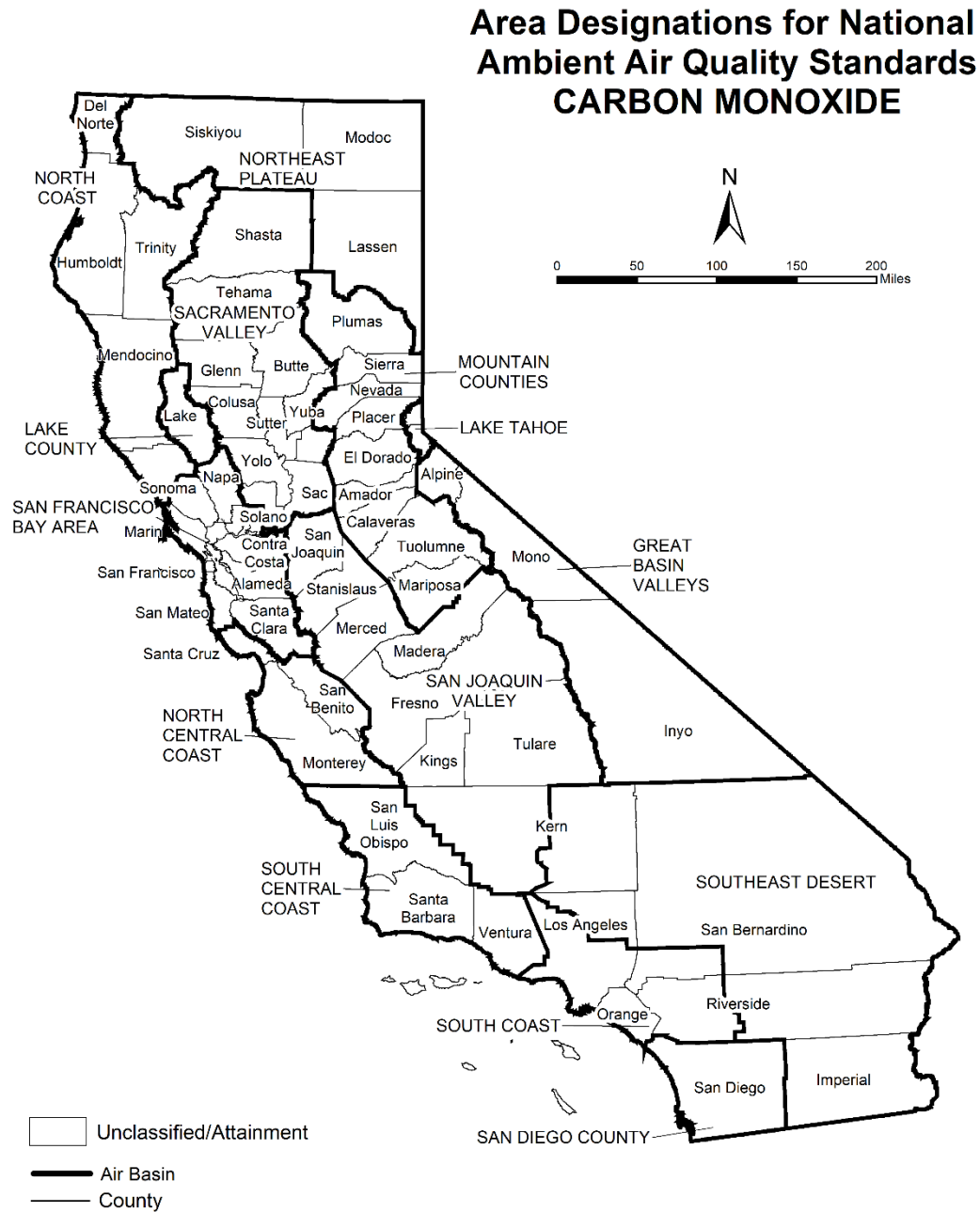
¹ For this purpose, Sacramento Metro Area comprises all of Sacramento and portions of El Dorado, Placer, Solano, and Yolo Counties. Air quality in this area meets the national PM_{2.5} standards. A Determination of Attainment for the 2006 24-hour PM_{2.5} standard was made by U.S. EPA in June 2017.

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



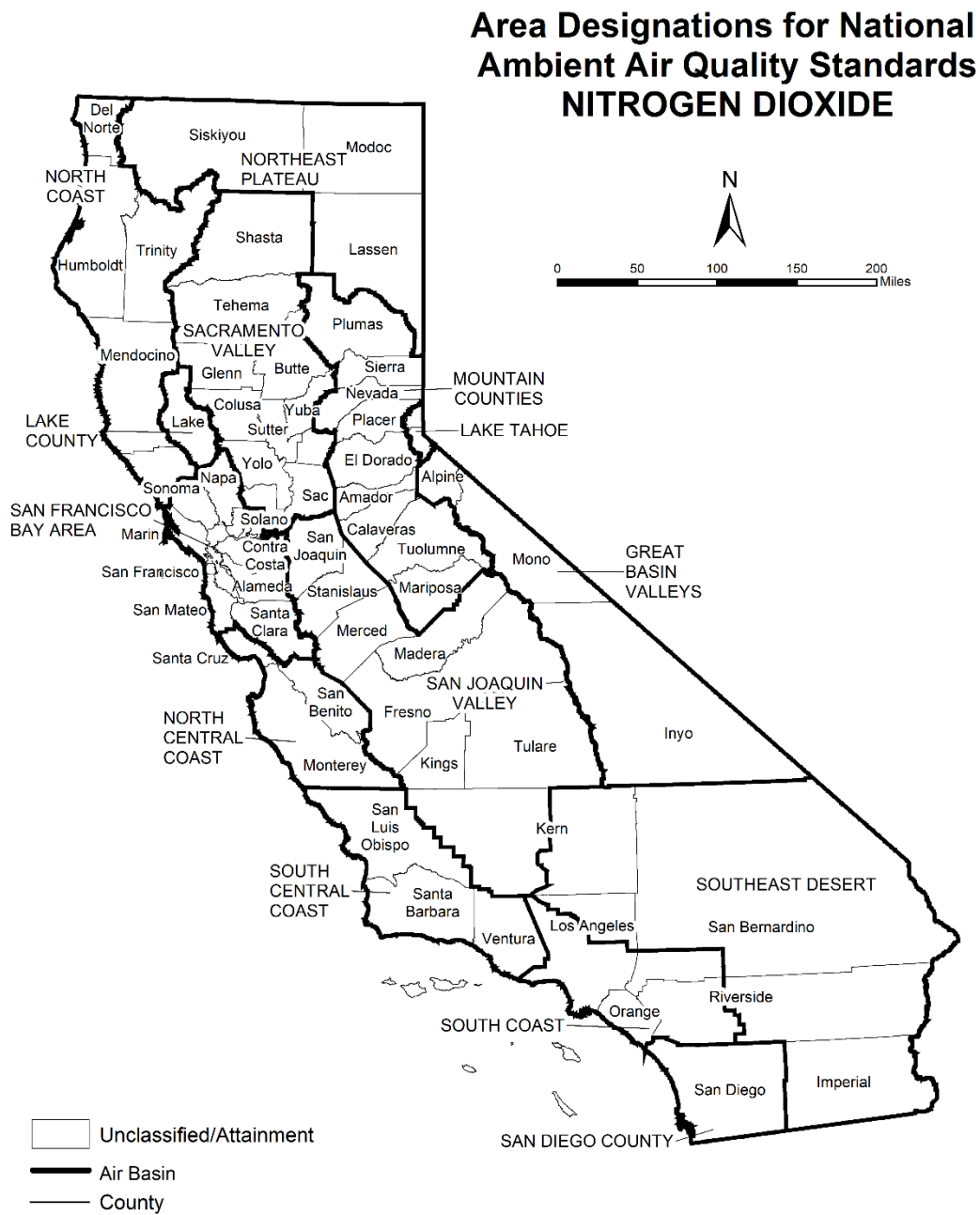
Last Updated: November 2023
Air Quality Planning and Science Division

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

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



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Air Quality Planning and Science Division

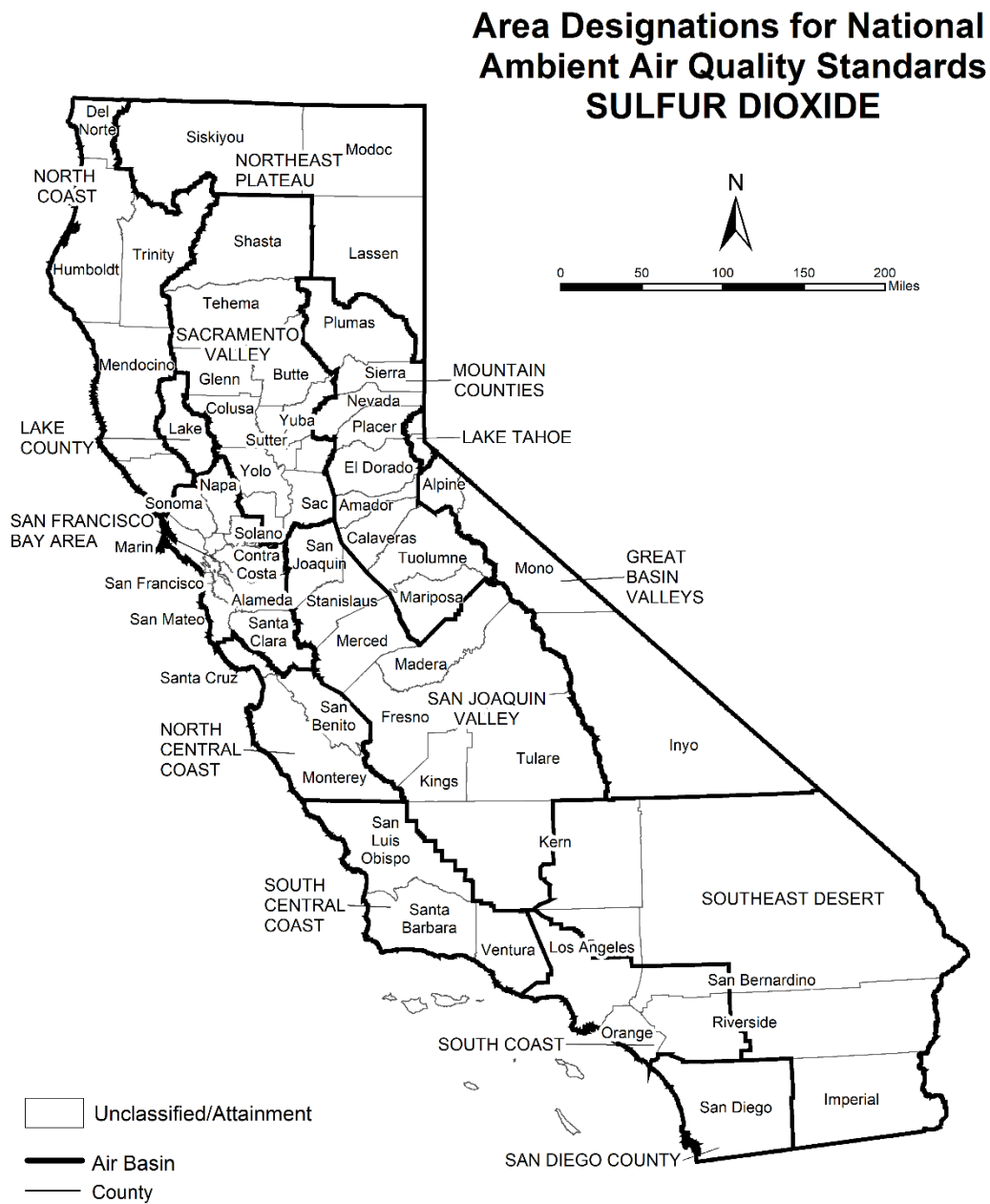
Table 15
National Ambient Air Quality Standards Area Designations for
Nitrogen Dioxide*

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 SO₂ standard of 75 ppb.

¹ South Central Coast Air Basin Channel Islands:

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

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

Figure 17



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 PROJECT CONSTRUCTION (UNMITIGATED) EMISSIONS MODEL OUTPUTS

12630-Green River Ranch Specific Plan Amendment (Construction Planning Areas 1-3) Detailed Report

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1.1. Basic Project Information

Data Field	Value
Project Name	12630-Green River Ranch Specific Plan Amendment (Construction Planning Areas 1-3)
Construction Start Date	1/1/2024
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	2.60
Precipitation (days)	21.0
Location	33.878704, -117.642199
County	Riverside-South Coast
City	Corona
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5472
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.13

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Industrial Park	634	1000sqft	14.6	634,242	0.00	—	—	—

Refrigerated Warehouse-No Rail	112	1000sqft	2.57	111,925	0.00	—	—	—
Parking Lot	1,213	Space	4.76	0.00	0.00	—	—	—
Other Asphalt Surfaces	27.4	Acre	27.4	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.7	33.8	105	77.1	0.30	4.04	12.8	16.8	3.76	4.01	7.77	—	40,459	40,459	1.05	4.38	58.7	41,850
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.7	33.6	107	72.6	0.30	4.04	12.8	16.8	3.76	4.57	7.90	—	40,426	40,426	1.05	4.38	1.52	41,760
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.71	15.6	41.7	45.0	0.09	1.94	4.74	6.68	1.79	1.39	3.17	—	12,778	12,778	0.43	0.88	8.96	13,060
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.04	2.84	7.62	8.21	0.02	0.35	0.86	1.22	0.33	0.25	0.58	—	2,116	2,116	0.07	0.15	1.48	2,162

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	10.7	33.8	105	77.1	0.30	4.04	12.8	16.8	3.76	4.01	7.77	—	40,459	40,459	1.05	4.38	58.7	41,850
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	10.7	33.6	107	72.6	0.30	4.04	12.8	16.8	3.76	4.57	7.90	—	40,426	40,426	1.05	4.38	1.52	41,760
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	5.71	15.6	41.7	45.0	0.09	1.94	4.74	6.68	1.79	1.39	3.17	—	12,778	12,778	0.43	0.88	8.96	13,060
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.04	2.84	7.62	8.21	0.02	0.35	0.86	1.22	0.33	0.25	0.58	—	2,116	2,116	0.07	0.15	1.48	2,162

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.12	5.13	48.9	42.5	0.06	2.09	—	2.09	1.92	—	1.92	—	6,709	6,709	0.27	0.05	—	6,732

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Demolition	—	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.42	4.02	3.49	0.01	0.17	—	0.17	0.16	—	0.16	—	551	551	0.02	< 0.005	—	553
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.73	0.64	< 0.005	0.03	—	0.03	0.03	—	0.03	—	91.3	91.3	< 0.005	< 0.005	—	91.6
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.16	1.74	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	364	364	0.02	0.01	0.04	368
Vendor	0.02	0.01	0.52	0.16	< 0.005	0.01	0.12	0.13	0.01	0.03	0.04	—	435	435	0.01	0.07	0.03	455
Hauling	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	53.7	53.7	< 0.005	0.01	< 0.005	56.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	30.3	30.3	< 0.005	< 0.005	0.06	30.7
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.7	35.7	< 0.005	0.01	0.04	37.4

Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.41	4.41	< 0.005	< 0.005	< 0.005	4.63
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.01	5.01	< 0.005	< 0.005	0.01	5.08
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.92	5.92	< 0.005	< 0.005	0.01	6.19
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.73	0.73	< 0.005	< 0.005	< 0.005	0.77

3.3. Site Preparation (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	8.65	7.27	69.0	57.2	0.08	3.61	—	3.61	3.32	—	3.32	—	8,983	8,983	0.36	0.07	—	9,014
Dust From Material Movement	—	—	—	—	—	—	9.35	9.35	—	4.47	4.47	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.47	0.40	3.78	3.13	< 0.005	0.20	—	0.20	0.18	—	0.18	—	492	492	0.02	< 0.005	—	494
Dust From Material Movement	—	—	—	—	—	—	0.51	0.51	—	0.24	0.24	—	—	—	—	—	—	—

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.69	0.57	< 0.005	0.04	—	0.04	0.03	—	0.03	—	81.5	81.5	< 0.005	< 0.005	—	81.8
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	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	0.15	0.13	0.16	1.74	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	364	364	0.02	0.01	0.04	368
Vendor	0.01	0.01	0.33	0.10	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	280	280	0.01	0.04	0.02	292
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	20.2	20.2	< 0.005	< 0.005	0.04	20.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.3	15.3	< 0.005	< 0.005	0.02	16.0
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	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.34	3.34	< 0.005	< 0.005	0.01	3.39
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.54	2.54	< 0.005	< 0.005	< 0.005	2.65
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	9.38	7.88	75.1	62.7	0.12	3.55	—	3.55	3.26	—	3.26	—	13,430	13,430	0.54	0.11	—	13,476
Dust From Material Movement	—	—	—	—	—	—	5.38	5.38	—	1.97	1.97	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	9.38	7.88	75.1	62.7	0.12	3.55	—	3.55	3.26	—	3.26	—	13,430	13,430	0.54	0.11	—	13,476
Dust From Material Movement	—	—	—	—	—	—	5.38	5.38	—	1.97	1.97	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.29	1.08	10.3	8.59	0.02	0.49	—	0.49	0.45	—	0.45	—	1,840	1,840	0.07	0.01	—	1,846
Dust From Material Movement	—	—	—	—	—	—	0.74	0.74	—	0.27	0.27	—	—	—	—	—	—	—

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.20	1.88	1.57	< 0.005	0.09	—	0.09	0.08	—	0.08	—	305	305	0.01	< 0.005	—	306
Dust From Material Movement	—	—	—	—	—	—	0.13	0.13	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.21	0.19	3.34	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	576	576	0.02	0.02	2.28	585
Vendor	0.03	0.02	0.81	0.25	0.01	0.01	0.20	0.21	0.01	0.05	0.06	—	714	714	0.02	0.11	2.01	748
Hauling	1.06	0.41	29.1	7.01	0.17	0.49	6.65	7.14	0.49	1.87	2.35	—	25,739	25,739	0.47	4.15	54.5	27,041
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.23	2.52	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	529	529	0.03	0.02	0.06	536
Vendor	0.03	0.02	0.85	0.26	0.01	0.01	0.20	0.21	0.01	0.05	0.06	—	715	715	0.02	0.11	0.05	747
Hauling	1.03	0.38	30.3	7.13	0.17	0.49	6.65	7.14	0.49	1.87	2.35	—	25,752	25,752	0.46	4.15	1.41	27,002
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.36	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	73.4	73.4	< 0.005	< 0.005	0.14	74.4
Vendor	< 0.005	< 0.005	0.12	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	97.8	97.8	< 0.005	0.01	0.12	102
Hauling	0.14	0.05	4.18	0.97	0.02	0.07	0.90	0.97	0.07	0.25	0.32	—	3,527	3,527	0.06	0.57	3.21	3,701
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.2	12.2	< 0.005	< 0.005	0.02	12.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	16.2	16.2	< 0.005	< 0.005	0.02	17.0

Hauling	0.03	0.01	0.76	0.18	< 0.005	0.01	0.16	0.18	0.01	0.05	0.06	—	584	584	0.01	0.09	0.53	613

3.7. Building Construction (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.61	3.87	34.2	32.0	0.05	2.05	—	2.05	1.89	—	1.89	—	5,611	5,611	0.23	0.05	—	5,630
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	4.61	3.87	34.2	32.0	0.05	2.05	—	2.05	1.89	—	1.89	—	5,611	5,611	0.23	0.05	—	5,630
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.02	1.69	15.0	14.0	0.02	0.90	—	0.90	0.83	—	0.83	—	2,460	2,460	0.10	0.02	—	2,468
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.37	0.31	2.73	2.56	< 0.005	0.16	—	0.16	0.15	—	0.15	—	407	407	0.02	< 0.005	—	409
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.76	1.61	1.51	26.2	0.00	0.00	4.10	4.10	0.00	0.96	0.96	—	4,511	4,511	0.19	0.16	17.9	4,580
Vendor	0.11	0.07	2.64	0.82	0.02	0.03	0.64	0.68	0.03	0.18	0.21	—	2,329	2,329	0.05	0.35	6.56	2,440
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.67	1.51	1.78	19.8	0.00	0.00	4.10	4.10	0.00	0.96	0.96	—	4,145	4,145	0.20	0.16	0.46	4,197
Vendor	0.10	0.07	2.76	0.84	0.02	0.03	0.64	0.68	0.03	0.18	0.21	—	2,330	2,330	0.05	0.35	0.17	2,436
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	0.73	0.66	0.78	9.13	0.00	0.00	1.77	1.77	0.00	0.41	0.41	—	1,840	1,840	0.09	0.07	3.39	1,866
Vendor	0.04	0.03	1.21	0.36	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	1,021	1,021	0.02	0.15	1.24	1,068
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	0.13	0.12	0.14	1.67	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	305	305	0.01	0.01	0.56	309
Vendor	0.01	0.01	0.22	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	169	169	< 0.005	0.03	0.20	177
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2024) - Unmitigated

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

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

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Off-Road Equipment	1.01	0.85	7.81	10.0	0.01	0.39	—	0.39	0.36	—	0.36	—	1,512	1,512	0.06	0.01	—	1,517
Paving	—	1.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	1.01	0.85	7.81	10.0	0.01	0.39	—	0.39	0.36	—	0.36	—	1,512	1,512	0.06	0.01	—	1,517
Paving	—	1.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.21	0.17	1.61	2.06	< 0.005	0.08	—	0.08	0.07	—	0.07	—	311	311	0.01	< 0.005	—	312
Paving	—	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.29	0.38	< 0.005	0.01	—	0.01	0.01	—	0.01	—	51.4	51.4	< 0.005	< 0.005	—	51.6
Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.07	1.25	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	216	216	0.01	0.01	0.86	219
Vendor	0.00	0.00	0.00	0.00	0.00	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	0.08	0.07	0.09	0.95	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	198	198	0.01	0.01	0.02	201
Vendor	0.00	0.00	0.00	0.00	0.00	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	0.02	0.01	0.02	0.20	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	41.3	41.3	< 0.005	< 0.005	0.08	41.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.84	6.84	< 0.005	< 0.005	0.01	6.93
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

3.11. Architectural Coating (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.18	1.21	1.53	< 0.005	0.04	—	0.04	0.04	—	0.04	—	178	178	0.01	< 0.005	—	179
Architect ural Coatings	—	25.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.18	1.21	1.53	< 0.005	0.04	—	0.04	0.04	—	0.04	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	25.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.09	0.07	0.50	0.63	< 0.005	0.02	—	0.02	0.02	—	0.02	—	73.2	73.2	< 0.005	< 0.005	—	73.4
Architectural Coatings	—	10.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.01	0.09	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.1	12.1	< 0.005	< 0.005	—	12.2
Architectural Coatings	—	1.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.35	0.32	0.30	5.23	0.00	0.00	0.82	0.82	0.00	0.19	0.19	—	902	902	0.04	0.03	3.58	916

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	0.33	0.30	0.36	3.96	0.00	0.00	0.82	0.82	0.00	0.19	0.19	—	829	829	0.04	0.03	0.09	839
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	0.14	0.12	0.15	1.71	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	345	345	0.02	0.01	0.64	350
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	0.03	0.31	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	57.1	57.1	< 0.005	< 0.005	0.11	57.9
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	1/1/2024	2/9/2024	5.00	30.0	—
Site Preparation	Site Preparation	2/12/2024	3/8/2024	5.00	20.0	—
Grading	Grading	3/11/2024	5/17/2024	5.00	50.0	—
Building Construction	Building Construction	5/20/2024	12/27/2024	5.00	160	—
Paving	Paving	9/16/2024	12/27/2024	5.00	75.0	—
Architectural Coating	Architectural Coating	6/3/2024	12/27/2024	5.00	150	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	5.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	4.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	5.00	8.00	367	0.40
Site Preparation	Crawler Tractors	Diesel	Average	6.00	8.00	87.0	0.43
Grading	Excavators	Diesel	Average	4.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	4.00	8.00	423	0.48
Grading	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Building Construction	Cranes	Diesel	Average	2.00	8.00	367	0.29

Building Construction	Forklifts	Diesel	Average	6.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Crawler Tractors	Diesel	Average	6.00	8.00	87.0	0.43
Building Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

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	27.5	18.5	LDA,LDT1,LDT2
Demolition	Vendor	14.0	10.2	HHDT,MHDT
Demolition	Hauling	0.77	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	27.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	9.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	40.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	23.0	10.2	HHDT,MHDT
Grading	Hauling	368	20.0	HHDT

Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	313	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	75.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	62.7	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	1,119,251	373,084	84,106

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	2,000	—
Site Preparation	—	—	110	0.00	—
Grading	—	147,000	400	0.00	—
Paving	0.00	0.00	0.00	0.00	32.2

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Industrial Park	0.00	0%
Refrigerated Warehouse-No Rail	0.00	0%
Parking Lot	4.76	100%
Other Asphalt Surfaces	27.4	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

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

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	15.0	annual days of extreme heat
Extreme Precipitation	4.00	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	35.4	annual hectares burned

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

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	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	2	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	72.8
AQ-PM	89.7
AQ-DPM	85.7
Drinking Water	85.7
Lead Risk Housing	5.43
Pesticides	0.00
Toxic Releases	68.4
Traffic	73.0
Effect Indicators	—
CleanUp Sites	47.6
Groundwater	0.00

Haz Waste Facilities/Generators	65.9
Impaired Water Bodies	12.5
Solid Waste	0.00
Sensitive Population	—
Asthma	17.7
Cardio-vascular	55.6
Low Birth Weights	35.0
Socioeconomic Factor Indicators	—
Education	34.8
Housing	13.9
Linguistic	43.9
Poverty	32.0
Unemployment	64.5

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	87.60426023
Employed	68.38188118
Median HI	91.41537277
Education	—
Bachelor's or higher	72.98857949
High school enrollment	21.05735917
Preschool enrollment	74.18195817
Transportation	—
Auto Access	90.86359553

Active commuting	16.68163737
Social	—
2-parent households	77.37713332
Voting	54.17682536
Neighborhood	—
Alcohol availability	88.3485179
Park access	43.85987425
Retail density	23.97022969
Supermarket access	30.95085333
Tree canopy	72.38547414
Housing	—
Homeownership	91.03041191
Housing habitability	80.07185936
Low-inc homeowner severe housing cost burden	86.1157449
Low-inc renter severe housing cost burden	19.90247658
Uncrowded housing	79.21211344
Health Outcomes	—
Insured adults	79.19928141
Arthritis	74.6
Asthma ER Admissions	80.4
High Blood Pressure	62.1
Cancer (excluding skin)	49.7
Asthma	76.7
Coronary Heart Disease	88.8
Chronic Obstructive Pulmonary Disease	86.1
Diagnosed Diabetes	85.5
Life Expectancy at Birth	51.9

Cognitively Disabled	82.5
Physically Disabled	81.6
Heart Attack ER Admissions	41.3
Mental Health Not Good	77.2
Chronic Kidney Disease	85.5
Obesity	63.1
Pedestrian Injuries	19.6
Physical Health Not Good	83.3
Stroke	91.3
Health Risk Behaviors	—
Binge Drinking	24.0
Current Smoker	73.3
No Leisure Time for Physical Activity	74.2
Climate Change Exposures	—
Wildfire Risk	29.3
SLR Inundation Area	0.0
Children	48.8
Elderly	88.2
English Speaking	77.6
Foreign-born	53.7
Outdoor Workers	67.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	82.0
Traffic Density	52.1
Traffic Access	23.0
Other Indices	—
Hardship	13.5

Other Decision Support	—
2016 Voting	70.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	44.0
Healthy Places Index Score for Project Location (b)	81.0
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
Land Use	Taken from Site plan
Construction: Construction Phases	Construction schedule adjusted based off client provided information Building, Paving, and Architectural Coating overlap to present a conservative analysis
Construction: Off-Road Equipment	T/L/B replaced with Crawler Tractor to accurately calculate disturbance for Site Preparation and Grading phases Standard 8-hour work days

Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	SCAQMD Rule 1113

12630-Green River Ranch Specific Plan Amendment Construction (PA 4 & 5) 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	12630-Green River Ranch Specific Plan Amendment Construction (PA 4 & 5)
Construction Start Date	1/1/2025
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	2.60
Precipitation (days)	21.0
Location	33.878704, -117.642199
County	Riverside-South Coast
City	Corona
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5472
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.24

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
Convenience Market with Gas Pumps	12.0	Pump	0.39	17,100	0.00	—	—	—

Fast Food Restaurant with Drive Thru	2.50	1000sqft	0.06	2,500	0.00	—	—	—
Single Family Housing	32.0	Dwelling Unit	20.4	62,400	0.00	—	103	—
Other Asphalt Surfaces	6.20	Acre	6.20	0.00	0.00	—	—	—
High Turnover (Sit Down Restaurant)	9.50	1000sqft	0.22	9,500	0.00	—	—	—
Quality Restaurant	4.20	1000sqft	0.10	4,200	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.9	14.0	40.4	46.6	0.07	2.17	2.95	4.47	1.99	1.05	2.44	—	8,067	8,067	0.32	0.10	2.69	8,108
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.90	4.12	37.6	33.5	0.06	1.93	5.90	7.83	1.78	2.74	4.52	—	7,036	7,036	0.29	0.07	0.03	7,065
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.88	3.54	15.7	16.1	0.03	0.82	0.81	1.63	0.76	0.31	1.07	—	3,059	3,059	0.12	0.04	0.34	3,074

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.71	0.65	2.87	2.94	0.01	0.15	0.15	0.30	0.14	0.06	0.19	—	507	507	0.02	0.01	0.06	509

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	14.9	14.0	40.4	46.6	0.07	2.17	2.95	4.47	1.99	1.05	2.44	—	8,067	8,067	0.32	0.10	2.69	8,108
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.90	4.12	37.6	33.5	0.06	1.93	5.90	7.83	1.78	2.74	4.52	—	7,036	7,036	0.29	0.07	0.03	7,065
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	3.88	3.54	15.7	16.1	0.03	0.82	0.81	1.63	0.76	0.31	1.07	—	3,059	3,059	0.12	0.04	0.34	3,074
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.71	0.65	2.87	2.94	0.01	0.15	0.15	0.30	0.14	0.06	0.19	—	507	507	0.02	0.01	0.06	509

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.82	4.05	37.5	32.4	0.05	1.93	—	1.93	1.78	—	1.78	—	5,528	5,528	0.22	0.04	—	5,547
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	0.26	0.22	2.05	1.78	< 0.005	0.11	—	0.11	0.10	—	0.10	—	303	303	0.01	< 0.005	—	304
Dust From Material Movement	—	—	—	—	—	—	0.31	0.31	—	0.15	0.15	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	0.32	< 0.005	0.02	—	0.02	0.02	—	0.02	—	50.2	50.2	< 0.005	< 0.005	—	50.3
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	1.02	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	227	227	0.01	0.01	0.02	230
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.6	30.6	< 0.005	< 0.005	< 0.005	32.0
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.6	12.6	< 0.005	< 0.005	0.02	12.8
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.68	1.68	< 0.005	< 0.005	< 0.005	1.76
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	—	2.08	2.08	< 0.005	< 0.005	< 0.005	2.11
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.28	0.28	< 0.005	< 0.005	< 0.005	0.29
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. Grading (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.24	3.57	32.6	29.4	0.06	1.52	—	1.52	1.40	—	1.40	—	6,715	6,715	0.27	0.05	—	6,738
Dust From Material Movement	—	—	—	—	—	—	2.67	2.67	—	0.98	0.98	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.24	3.57	32.6	29.4	0.06	1.52	—	1.52	1.40	—	1.40	—	6,715	6,715	0.27	0.05	—	6,738
Dust From Material Movement	—	—	—	—	—	—	2.67	2.67	—	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.44	4.02	3.63	0.01	0.19	—	0.19	0.17	—	0.17	—	828	828	0.03	0.01	—	831
Dust From Material Movement	—	—	—	—	—	—	0.33	0.33	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.73	0.66	< 0.005	0.03	—	0.03	0.03	—	0.03	—	137	137	0.01	< 0.005	—	138
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.09	1.54	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	282	282	0.01	0.01	1.04	286

Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	61.2	61.2	< 0.005	0.01	0.17	64.2
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	0.09	0.08	0.10	1.17	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	259	259	0.01	0.01	0.03	262
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	61.2	61.2	< 0.005	0.01	< 0.005	64.0
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	32.4	32.4	< 0.005	< 0.005	0.06	32.8
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.55	7.55	< 0.005	< 0.005	0.01	7.90
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	—	5.36	5.36	< 0.005	< 0.005	0.01	5.43
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.25	1.25	< 0.005	< 0.005	< 0.005	1.31
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. Building Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.22	3.54	31.4	31.7	0.05	1.78	—	1.78	1.64	—	1.64	—	5,610	5,610	0.23	0.05	—	5,629
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	0.97	8.59	8.68	0.01	0.49	—	0.49	0.45	—	0.45	—	1,537	1,537	0.06	0.01	—	1,542
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.18	1.57	1.58	< 0.005	0.09	—	0.09	0.08	—	0.08	—	254	254	0.01	< 0.005	—	255
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	0.10	1.84	0.00	0.00	0.31	0.31	0.00	0.07	0.07	—	335	335	0.01	0.01	1.23	340
Vendor	0.01	< 0.005	0.17	0.05	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	153	153	< 0.005	0.02	0.43	160
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.40	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	85.5	85.5	< 0.005	< 0.005	0.15	86.8
Vendor	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	41.9	41.9	< 0.005	0.01	0.05	43.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.2	14.2	< 0.005	< 0.005	0.02	14.4
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.94	6.94	< 0.005	< 0.005	0.01	7.27

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	0.46	0.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.71	0.96	< 0.005	0.03	—	0.03	0.03	—	0.03	—	145	145	0.01	< 0.005	—	145
Paving	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.13	0.17	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.07	1.16	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	211	211	0.01	0.01	0.78	215
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	18.9	18.9	< 0.005	< 0.005	0.03	19.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.12	3.12	< 0.005	< 0.005	0.01	3.17
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

3.9. Architectural Coating (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.17	1.18	1.52	< 0.005	0.04	—	0.04	0.03	—	0.03	—	178	178	0.01	< 0.005	—	179
Architect ural Coatings	8.86	8.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.23	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	34.1	34.1	< 0.005	< 0.005	—	34.3
Architect ural Coatings	1.70	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.65	5.65	< 0.005	< 0.005	—	5.67
Architect ural Coatings	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.37	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	67.1	67.1	< 0.005	< 0.005	0.25	68.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.0	12.0	< 0.005	< 0.005	0.02	12.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.98	1.98	< 0.005	< 0.005	< 0.005	2.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2025	1/28/2025	5.00	20.0	—
Grading	Grading	1/29/2025	4/1/2025	5.00	45.0	—
Building Construction	Building Construction	4/2/2025	8/19/2025	5.00	100	—
Paving	Paving	7/2/2025	8/19/2025	5.00	35.0	—

Architectural Coating	Architectural Coating	5/14/2025	8/19/2025	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
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Crawler Tractors	Diesel	Average	2.00	8.00	87.0	0.43
Building Construction	Cranes	Diesel	Average	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	6.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Crawler Tractors	Diesel	Average	6.00	8.00	87.0	0.43
Building Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

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

Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	1.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	2.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	23.8	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	5.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	4.76	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	126,360	42,120	49,950	16,650	16,204

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	600	0.00	—
Grading	—	—	1,200	0.00	—
Paving	0.00	0.00	0.00	0.00	6.55

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
Convenience Market with Gas Pumps	0.00	0%
Fast Food Restaurant with Drive Thru	0.00	0%
Single Family Housing	0.35	0%
Other Asphalt Surfaces	6.20	100%
High Turnover (Sit Down Restaurant)	0.00	0%

Quality Restaurant	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	15.0	annual days of extreme heat
Extreme Precipitation	4.00	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	35.4	annual hectares burned

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

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events.

Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	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	2	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	72.8
AQ-PM	89.7
AQ-DPM	85.7

Drinking Water	85.7
Lead Risk Housing	5.43
Pesticides	0.00
Toxic Releases	68.4
Traffic	73.0
Effect Indicators	—
CleanUp Sites	47.6
Groundwater	0.00
Haz Waste Facilities/Generators	65.9
Impaired Water Bodies	12.5
Solid Waste	0.00
Sensitive Population	—
Asthma	17.7
Cardio-vascular	55.6
Low Birth Weights	35.0
Socioeconomic Factor Indicators	—
Education	34.8
Housing	13.9
Linguistic	43.9
Poverty	32.0
Unemployment	64.5

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	87.60426023

Employed	68.38188118
Median HI	91.41537277
Education	—
Bachelor's or higher	72.98857949
High school enrollment	21.05735917
Preschool enrollment	74.18195817
Transportation	—
Auto Access	90.86359553
Active commuting	16.68163737
Social	—
2-parent households	77.37713332
Voting	54.17682536
Neighborhood	—
Alcohol availability	88.3485179
Park access	43.85987425
Retail density	23.97022969
Supermarket access	30.95085333
Tree canopy	72.38547414
Housing	—
Homeownership	91.03041191
Housing habitability	80.07185936
Low-inc homeowner severe housing cost burden	86.1157449
Low-inc renter severe housing cost burden	19.90247658
Uncrowded housing	79.21211344
Health Outcomes	—
Insured adults	79.19928141
Arthritis	74.6

Asthma ER Admissions	80.4
High Blood Pressure	62.1
Cancer (excluding skin)	49.7
Asthma	76.7
Coronary Heart Disease	88.8
Chronic Obstructive Pulmonary Disease	86.1
Diagnosed Diabetes	85.5
Life Expectancy at Birth	51.9
Cognitively Disabled	82.5
Physically Disabled	81.6
Heart Attack ER Admissions	41.3
Mental Health Not Good	77.2
Chronic Kidney Disease	85.5
Obesity	63.1
Pedestrian Injuries	19.6
Physical Health Not Good	83.3
Stroke	91.3
Health Risk Behaviors	—
Binge Drinking	24.0
Current Smoker	73.3
No Leisure Time for Physical Activity	74.2
Climate Change Exposures	—
Wildfire Risk	29.3
SLR Inundation Area	0.0
Children	48.8
Elderly	88.2
English Speaking	77.6

Foreign-born	53.7
Outdoor Workers	67.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	82.0
Traffic Density	52.1
Traffic Access	23.0
Other Indices	—
Hardship	13.5
Other Decision Support	—
2016 Voting	70.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	44.0
Healthy Places Index Score for Project Location (b)	81.0
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
Land Use	Taken from site plan
Construction: Construction Phases	Client provided schedule Building, Paving, and Architectural Coating overlap to present a conservative analysis
Construction: Off-Road Equipment	T/L/B replaced with Crawler Tractor to accurately calculate disturbance for Site Preparation and Grading phases Standard 8-hour work days
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	SCAQMD Rule 1113
Construction: Dust From Material Movement	As a conservative measure, it is assumed that a maximum of 20 acres per day can be actively disturbed during construction of the site

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APPENDIX 3.2:

CALEEMOD PROJECT CONSTRUCTION (MITIGATED) EMISSIONS MODEL OUTPUTS

12630-Green River Ranch Specific Plan Amendment (Construction Planning Areas 1-3) Tier 4 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	12630-Green River Ranch Specific Plan Amendment (Construction Planning Areas 1-3) Tier 4
Construction Start Date	1/1/2024
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	2.60
Precipitation (days)	21.0
Location	33.878704, -117.642199
County	Riverside-South Coast
City	Corona
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5472
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.13

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Industrial Park	634	1000sqft	14.6	634,242	0.00	—	—	—

Refrigerated Warehouse-No Rail	112	1000sqft	2.57	111,925	0.00	—	—	—
Parking Lot	1,213	Space	4.76	0.00	0.00	—	—	—
Other Asphalt Surfaces	27.4	Acre	27.4	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.15	33.8	69.9	82.9	0.30	2.52	12.8	13.6	2.32	4.01	4.86	—	40,459	40,459	1.05	4.38	58.7	41,850
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.81	33.6	71.2	82.3	0.30	3.61	12.8	13.6	3.32	4.57	7.90	—	40,426	40,426	1.05	4.38	1.52	41,760
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.65	14.7	36.9	46.3	0.09	1.50	4.74	6.24	1.39	1.39	2.78	—	12,778	12,778	0.43	0.88	8.96	13,060
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.85	2.68	6.74	8.45	0.02	0.27	0.86	1.14	0.25	0.25	0.51	—	2,116	2,116	0.07	0.15	1.48	2,162

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	8.15	33.8	69.9	82.9	0.30	2.52	12.8	13.6	2.32	4.01	4.86	—	40,459	40,459	1.05	4.38	58.7	41,850
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	8.81	33.6	71.2	82.3	0.30	3.61	12.8	13.6	3.32	4.57	7.90	—	40,426	40,426	1.05	4.38	1.52	41,760
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	4.65	14.7	36.9	46.3	0.09	1.50	4.74	6.24	1.39	1.39	2.78	—	12,778	12,778	0.43	0.88	8.96	13,060
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.85	2.68	6.74	8.45	0.02	0.27	0.86	1.14	0.25	0.25	0.51	—	2,116	2,116	0.07	0.15	1.48	2,162

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.12	5.13	48.9	42.5	0.06	2.09	—	2.09	1.92	—	1.92	—	6,709	6,709	0.27	0.05	—	6,732

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Demolition	—	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.42	4.02	3.49	0.01	0.17	—	0.17	0.16	—	0.16	—	551	551	0.02	< 0.005	—	553
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.73	0.64	< 0.005	0.03	—	0.03	0.03	—	0.03	—	91.3	91.3	< 0.005	< 0.005	—	91.6
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.16	1.74	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	364	364	0.02	0.01	0.04	368
Vendor	0.02	0.01	0.52	0.16	< 0.005	0.01	0.12	0.13	0.01	0.03	0.04	—	435	435	0.01	0.07	0.03	455
Hauling	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	53.7	53.7	< 0.005	0.01	< 0.005	56.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	30.3	30.3	< 0.005	< 0.005	0.06	30.7
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.7	35.7	< 0.005	0.01	0.04	37.4

Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.41	4.41	< 0.005	< 0.005	< 0.005	4.63
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.01	5.01	< 0.005	< 0.005	0.01	5.08
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.92	5.92	< 0.005	< 0.005	0.01	6.19
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.73	0.73	< 0.005	< 0.005	< 0.005	0.77

3.3. Site Preparation (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	8.65	7.27	69.0	57.2	0.08	3.61	—	3.61	3.32	—	3.32	—	8,983	8,983	0.36	0.07	—	9,014
Dust From Material Movement	—	—	—	—	—	—	9.35	9.35	—	4.47	4.47	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.47	0.40	3.78	3.13	< 0.005	0.20	—	0.20	0.18	—	0.18	—	492	492	0.02	< 0.005	—	494
Dust From Material Movement	—	—	—	—	—	—	0.51	0.51	—	0.24	0.24	—	—	—	—	—	—	—

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.69	0.57	< 0.005	0.04	—	0.04	0.03	—	0.03	—	81.5	81.5	< 0.005	< 0.005	—	81.8
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	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	0.15	0.13	0.16	1.74	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	364	364	0.02	0.01	0.04	368
Vendor	0.01	0.01	0.33	0.10	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	280	280	0.01	0.04	0.02	292
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	20.2	20.2	< 0.005	< 0.005	0.04	20.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.3	15.3	< 0.005	< 0.005	0.02	16.0
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	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.34	3.34	< 0.005	< 0.005	0.01	3.39
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.54	2.54	< 0.005	< 0.005	< 0.005	2.65
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.64	1.64	39.8	72.3	0.12	0.37	—	0.37	0.36	—	0.36	—	13,430	13,430	0.54	0.11	—	13,476
Dust From Material Movement	—	—	—	—	—	—	5.38	5.38	—	1.97	1.97	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.64	1.64	39.8	72.3	0.12	0.37	—	0.37	0.36	—	0.36	—	13,430	13,430	0.54	0.11	—	13,476
Dust From Material Movement	—	—	—	—	—	—	5.38	5.38	—	1.97	1.97	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.22	0.22	5.46	9.91	0.02	0.05	—	0.05	0.05	—	0.05	—	1,840	1,840	0.07	0.01	—	1,846
Dust From Material Movement	—	—	—	—	—	—	0.74	0.74	—	0.27	0.27	—	—	—	—	—	—	—

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	1.00	1.81	< 0.005	0.01	—	0.01	0.01	—	0.01	—	305	305	0.01	< 0.005	—	306
Dust From Material Movement	—	—	—	—	—	—	0.13	0.13	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.21	0.19	3.34	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	576	576	0.02	0.02	2.28	585
Vendor	0.03	0.02	0.81	0.25	0.01	0.01	0.20	0.21	0.01	0.05	0.06	—	714	714	0.02	0.11	2.01	748
Hauling	1.06	0.41	29.1	7.01	0.17	0.49	6.65	7.14	0.49	1.87	2.35	—	25,739	25,739	0.47	4.15	54.5	27,041
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.23	2.52	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	529	529	0.03	0.02	0.06	536
Vendor	0.03	0.02	0.85	0.26	0.01	0.01	0.20	0.21	0.01	0.05	0.06	—	715	715	0.02	0.11	0.05	747
Hauling	1.03	0.38	30.3	7.13	0.17	0.49	6.65	7.14	0.49	1.87	2.35	—	25,752	25,752	0.46	4.15	1.41	27,002
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.36	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	73.4	73.4	< 0.005	< 0.005	0.14	74.4
Vendor	< 0.005	< 0.005	0.12	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	97.8	97.8	< 0.005	0.01	0.12	102
Hauling	0.14	0.05	4.18	0.97	0.02	0.07	0.90	0.97	0.07	0.25	0.32	—	3,527	3,527	0.06	0.57	3.21	3,701
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.2	12.2	< 0.005	< 0.005	0.02	12.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	16.2	16.2	< 0.005	< 0.005	0.02	17.0

Hauling	0.03	0.01	0.76	0.18	< 0.005	0.01	0.16	0.18	0.01	0.05	0.06	—	584	584	0.01	0.09	0.53	613

3.7. Building Construction (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.61	3.87	34.2	32.0	0.05	2.05	—	2.05	1.89	—	1.89	—	5,611	5,611	0.23	0.05	—	5,630
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	4.61	3.87	34.2	32.0	0.05	2.05	—	2.05	1.89	—	1.89	—	5,611	5,611	0.23	0.05	—	5,630
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.02	1.69	15.0	14.0	0.02	0.90	—	0.90	0.83	—	0.83	—	2,460	2,460	0.10	0.02	—	2,468
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.37	0.31	2.73	2.56	< 0.005	0.16	—	0.16	0.15	—	0.15	—	407	407	0.02	< 0.005	—	409
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.76	1.61	1.51	26.2	0.00	0.00	4.10	4.10	0.00	0.96	0.96	—	4,511	4,511	0.19	0.16	17.9	4,580
Vendor	0.11	0.07	2.64	0.82	0.02	0.03	0.64	0.68	0.03	0.18	0.21	—	2,329	2,329	0.05	0.35	6.56	2,440
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.67	1.51	1.78	19.8	0.00	0.00	4.10	4.10	0.00	0.96	0.96	—	4,145	4,145	0.20	0.16	0.46	4,197
Vendor	0.10	0.07	2.76	0.84	0.02	0.03	0.64	0.68	0.03	0.18	0.21	—	2,330	2,330	0.05	0.35	0.17	2,436
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	0.73	0.66	0.78	9.13	0.00	0.00	1.77	1.77	0.00	0.41	0.41	—	1,840	1,840	0.09	0.07	3.39	1,866
Vendor	0.04	0.03	1.21	0.36	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	1,021	1,021	0.02	0.15	1.24	1,068
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	0.13	0.12	0.14	1.67	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	305	305	0.01	0.01	0.56	309
Vendor	0.01	0.01	0.22	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	169	169	< 0.005	0.03	0.20	177
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2024) - Unmitigated

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

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

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Off-Road Equipment	1.01	0.85	7.81	10.0	0.01	0.39	—	0.39	0.36	—	0.36	—	1,512	1,512	0.06	0.01	—	1,517
Paving	—	1.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	1.01	0.85	7.81	10.0	0.01	0.39	—	0.39	0.36	—	0.36	—	1,512	1,512	0.06	0.01	—	1,517
Paving	—	1.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.21	0.17	1.61	2.06	< 0.005	0.08	—	0.08	0.07	—	0.07	—	311	311	0.01	< 0.005	—	312
Paving	—	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.29	0.38	< 0.005	0.01	—	0.01	0.01	—	0.01	—	51.4	51.4	< 0.005	< 0.005	—	51.6
Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.07	1.25	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	216	216	0.01	0.01	0.86	219
Vendor	0.00	0.00	0.00	0.00	0.00	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	0.08	0.07	0.09	0.95	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	198	198	0.01	0.01	0.02	201
Vendor	0.00	0.00	0.00	0.00	0.00	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	0.02	0.01	0.02	0.20	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	41.3	41.3	< 0.005	< 0.005	0.08	41.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.84	6.84	< 0.005	< 0.005	0.01	6.93
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

3.11. Architectural Coating (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.18	1.21	1.53	< 0.005	0.04	—	0.04	0.04	—	0.04	—	178	178	0.01	< 0.005	—	179
Architect ural Coatings	—	25.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.18	1.21	1.53	< 0.005	0.04	—	0.04	0.04	—	0.04	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	25.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.09	0.07	0.50	0.63	< 0.005	0.02	—	0.02	0.02	—	0.02	—	73.2	73.2	< 0.005	< 0.005	—	73.4
Architectural Coatings	—	10.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.01	0.09	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.1	12.1	< 0.005	< 0.005	—	12.2
Architectural Coatings	—	1.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.35	0.32	0.30	5.23	0.00	0.00	0.82	0.82	0.00	0.19	0.19	—	902	902	0.04	0.03	3.58	916

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	0.33	0.30	0.36	3.96	0.00	0.00	0.82	0.82	0.00	0.19	0.19	—	829	829	0.04	0.03	0.09	839
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	0.14	0.12	0.15	1.71	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	345	345	0.02	0.01	0.64	350
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	0.03	0.31	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	57.1	57.1	< 0.005	< 0.005	0.11	57.9
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	1/1/2024	2/9/2024	5.00	30.0	—
Site Preparation	Site Preparation	2/12/2024	3/8/2024	5.00	20.0	—
Grading	Grading	3/11/2024	5/17/2024	5.00	50.0	—
Building Construction	Building Construction	5/20/2024	12/27/2024	5.00	160	—
Paving	Paving	9/16/2024	12/27/2024	5.00	75.0	—
Architectural Coating	Architectural Coating	6/3/2024	12/27/2024	5.00	150	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	5.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	4.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	5.00	8.00	367	0.40
Site Preparation	Crawler Tractors	Diesel	Average	6.00	8.00	87.0	0.43
Grading	Excavators	Diesel	Tier 4 Interim	4.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Interim	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Interim	4.00	8.00	423	0.48
Grading	Crawler Tractors	Diesel	Tier 4 Interim	4.00	8.00	87.0	0.43
Building Construction	Cranes	Diesel	Average	2.00	8.00	367	0.29

Building Construction	Forklifts	Diesel	Average	6.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Crawler Tractors	Diesel	Average	6.00	8.00	87.0	0.43
Building Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

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	27.5	18.5	LDA,LDT1,LDT2
Demolition	Vendor	14.0	10.2	HHDT,MHDT
Demolition	Hauling	0.77	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	27.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	9.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	40.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	23.0	10.2	HHDT,MHDT
Grading	Hauling	368	20.0	HHDT

Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	313	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	75.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	62.7	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	1,119,251	373,084	84,106

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	2,000	—
Site Preparation	—	—	400	0.00	—
Grading	—	147,000	1,000	0.00	—
Paving	0.00	0.00	0.00	0.00	32.2

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Industrial Park	0.00	0%
Refrigerated Warehouse-No Rail	0.00	0%
Parking Lot	4.76	100%
Other Asphalt Surfaces	27.4	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

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

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	15.0	annual days of extreme heat
Extreme Precipitation	4.00	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	35.4	annual hectares burned

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

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	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	2	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	72.8
AQ-PM	89.7
AQ-DPM	85.7
Drinking Water	85.7
Lead Risk Housing	5.43
Pesticides	0.00
Toxic Releases	68.4
Traffic	73.0
Effect Indicators	—
CleanUp Sites	47.6
Groundwater	0.00

Haz Waste Facilities/Generators	65.9
Impaired Water Bodies	12.5
Solid Waste	0.00
Sensitive Population	—
Asthma	17.7
Cardio-vascular	55.6
Low Birth Weights	35.0
Socioeconomic Factor Indicators	—
Education	34.8
Housing	13.9
Linguistic	43.9
Poverty	32.0
Unemployment	64.5

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	87.60426023
Employed	68.38188118
Median HI	91.41537277
Education	—
Bachelor's or higher	72.98857949
High school enrollment	21.05735917
Preschool enrollment	74.18195817
Transportation	—
Auto Access	90.86359553

Active commuting	16.68163737
Social	—
2-parent households	77.37713332
Voting	54.17682536
Neighborhood	—
Alcohol availability	88.3485179
Park access	43.85987425
Retail density	23.97022969
Supermarket access	30.95085333
Tree canopy	72.38547414
Housing	—
Homeownership	91.03041191
Housing habitability	80.07185936
Low-inc homeowner severe housing cost burden	86.1157449
Low-inc renter severe housing cost burden	19.90247658
Uncrowded housing	79.21211344
Health Outcomes	—
Insured adults	79.19928141
Arthritis	74.6
Asthma ER Admissions	80.4
High Blood Pressure	62.1
Cancer (excluding skin)	49.7
Asthma	76.7
Coronary Heart Disease	88.8
Chronic Obstructive Pulmonary Disease	86.1
Diagnosed Diabetes	85.5
Life Expectancy at Birth	51.9

Cognitively Disabled	82.5
Physically Disabled	81.6
Heart Attack ER Admissions	41.3
Mental Health Not Good	77.2
Chronic Kidney Disease	85.5
Obesity	63.1
Pedestrian Injuries	19.6
Physical Health Not Good	83.3
Stroke	91.3
Health Risk Behaviors	—
Binge Drinking	24.0
Current Smoker	73.3
No Leisure Time for Physical Activity	74.2
Climate Change Exposures	—
Wildfire Risk	29.3
SLR Inundation Area	0.0
Children	48.8
Elderly	88.2
English Speaking	77.6
Foreign-born	53.7
Outdoor Workers	67.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	82.0
Traffic Density	52.1
Traffic Access	23.0
Other Indices	—
Hardship	13.5

Other Decision Support	—
2016 Voting	70.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	44.0
Healthy Places Index Score for Project Location (b)	81.0
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
Land Use	Taken from Site plan
Construction: Construction Phases	Construction schedule adjusted based off client provided information Building, Paving, and Architectural Coating overlap to present a conservative analysis
Construction: Off-Road Equipment	T/L/B replaced with Crawler Tractor to accurately calculate disturbance for Site Preparation and Grading phases Standard 8-hour work days

Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	SCAQMD Rule 1113
Construction: Dust From Material Movement	As a conservative measure, it is assumed that a maximum of 20 acres per day can be actively disturbed during construction of the site

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APPENDIX 3.3:

CALEEMOD OPERATIONAL EMISSIONS MODEL OUTPUTS

Green River Ranch Specific Plan Amendment (Operations) 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	Green River Ranch Specific Plan Amendment (Operations)
Operational Year	2026
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	2.60
Precipitation (days)	21.0
Location	33.875872, -117.655476
County	Riverside-South Coast
City	Corona
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5471
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.24

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Industrial Park	634	1000sqft	14.6	634,242	647,754	—	—	—

Refrigerated Warehouse-No Rail	112	1000sqft	2.57	111,925	0.00	—	—	—
Convenience Market with Gas Pumps	12.0	Pump	0.39	17,100	0.00	—	—	—
Fast Food Restaurant with Drive Thru	2.50	1000sqft	0.06	2,500	0.00	—	—	—
Single Family Housing	32.0	Dwelling Unit	20.4	62,400	374,811	—	103	—
Parking Lot	1,213	Space	4.76	0.00	0.00	—	—	—
Other Asphalt Surfaces	33.9	Acre	33.6	0.00	0.00	—	—	—
User Defined Industrial	746	User Defined Unit	0.00	0.00	0.00	—	—	—
High Turnover (Sit Down Restaurant)	9.50	1000sqft	0.22	9,500	0.00	—	—	—
Quality Restaurant	4.20	1000sqft	0.10	4,200	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.	70.6	66.0	80.3	336	1.01	2.28	66.9	69.2	2.22	17.1	19.3	643	123,880	124,522	69.8	8.12	632	129,318

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	62.2	58.0	83.4	259	0.97	2.22	66.9	69.2	2.17	17.1	19.3	643	119,602	120,244	69.9	8.22	327	124,769
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	56.8	53.1	65.8	249	0.85	1.50	58.2	59.7	1.45	14.9	16.3	643	107,118	107,761	69.4	7.46	439	112,159
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.4	9.70	12.0	45.5	0.16	0.27	10.6	10.9	0.26	2.72	2.98	106	17,735	17,841	11.5	1.24	72.6	18,569

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	38.8	35.6	59.4	282	0.95	0.97	66.9	67.9	0.92	17.1	18.0	—	98,254	98,254	3.19	7.75	313	100,958
Area	25.6	25.1	0.78	35.9	0.01	0.10	—	0.10	0.08	—	0.08	0.00	751	751	0.02	< 0.005	—	752
Energy	0.70	0.35	6.36	5.22	0.04	0.48	—	0.48	0.48	—	0.48	—	21,936	21,936	2.04	0.18	—	22,041
Water	—	—	—	—	—	—	—	—	—	—	—	65.0	421	486	6.70	0.16	—	702
Waste	—	—	—	—	—	—	—	—	—	—	—	578	0.00	578	57.7	0.00	—	2,021
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	318	318
Stationary	5.41	4.92	13.8	12.6	0.02	0.72	0.00	0.72	0.72	0.00	0.72	0.00	2,519	2,519	0.10	0.02	0.00	2,527
Total	70.6	66.0	80.3	336	1.01	2.28	66.9	69.2	2.22	17.1	19.3	643	123,880	124,522	69.8	8.12	632	129,318
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	36.6	33.4	62.9	241	0.91	0.97	66.9	67.9	0.92	17.1	18.0	—	94,120	94,120	3.32	7.86	8.13	96,553

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Area	19.4	19.4	0.48	0.20	< 0.005	0.04	—	0.04	0.04	—	0.04	0.00	606	606	0.01	< 0.005	—	607
Energy	0.70	0.35	6.36	5.22	0.04	0.48	—	0.48	0.48	—	0.48	—	21,936	21,936	2.04	0.18	—	22,041
Water	—	—	—	—	—	—	—	—	—	—	—	65.0	421	486	6.70	0.16	—	702
Waste	—	—	—	—	—	—	—	—	—	—	—	578	0.00	578	57.7	0.00	—	2,021
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	318	318
Stationary	5.41	4.92	13.8	12.6	0.02	0.72	0.00	0.72	0.72	0.00	0.72	0.00	2,519	2,519	0.10	0.02	0.00	2,527
Total	62.2	58.0	83.4	259	0.97	2.22	66.9	69.2	2.17	17.1	19.3	643	119,602	120,244	69.9	8.22	327	124,769
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.7	28.8	57.3	218	0.81	0.88	58.2	59.1	0.83	14.9	15.7	—	84,276	84,276	2.93	7.12	120	86,590
Area	23.6	23.3	0.24	24.5	< 0.005	0.04	—	0.04	0.03	—	0.03	0.00	140	140	< 0.005	< 0.005	—	141
Energy	0.70	0.35	6.36	5.22	0.04	0.48	—	0.48	0.48	—	0.48	—	21,936	21,936	2.04	0.18	—	22,041
Water	—	—	—	—	—	—	—	—	—	—	—	65.0	421	486	6.70	0.16	—	702
Waste	—	—	—	—	—	—	—	—	—	—	—	578	0.00	578	57.7	0.00	—	2,021
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	318	318
Stationary	0.74	0.67	1.88	1.72	< 0.005	0.10	0.00	0.10	0.10	0.00	0.10	0.00	345	345	0.01	< 0.005	0.00	346
Total	56.8	53.1	65.8	249	0.85	1.50	58.2	59.7	1.45	14.9	16.3	643	107,118	107,761	69.4	7.46	439	112,159
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.78	5.26	10.5	39.8	0.15	0.16	10.6	10.8	0.15	2.72	2.87	—	13,953	13,953	0.48	1.18	19.9	14,336
Area	4.31	4.25	0.04	4.47	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	23.2	23.2	< 0.005	< 0.005	—	23.3
Energy	0.13	0.06	1.16	0.95	0.01	0.09	—	0.09	0.09	—	0.09	—	3,632	3,632	0.34	0.03	—	3,649
Water	—	—	—	—	—	—	—	—	—	—	—	10.8	69.7	80.5	1.11	0.03	—	116
Waste	—	—	—	—	—	—	—	—	—	—	—	95.6	0.00	95.6	9.56	0.00	—	335
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	52.7	52.7
Stationary	0.14	0.12	0.34	0.31	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	57.1	57.1	< 0.005	< 0.005	0.00	57.3
Total	10.4	9.70	12.0	45.5	0.16	0.27	10.6	10.9	0.26	2.72	2.98	106	17,735	17,841	11.5	1.24	72.6	18,569

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	8.79	7.87	5.43	117	0.26	0.11	25.9	26.0	0.10	6.55	6.65	—	26,627	26,627	0.79	0.56	88.0	26,903
Refrigerated Warehouse-No Rail	0.86	0.77	0.53	11.4	0.03	0.01	2.52	2.53	0.01	0.64	0.65	—	2,589	2,589	0.08	0.05	8.56	2,616
Convenience Market with Gas Pumps	13.0	12.4	6.13	51.3	0.10	0.08	8.18	8.26	0.07	2.08	2.15	—	10,071	10,071	0.71	0.60	33.4	10,300
Fast Food Restaurant with Drive Thru	6.03	5.68	3.72	32.9	0.07	0.06	6.31	6.37	0.05	1.60	1.65	—	7,546	7,546	0.39	0.38	25.7	7,693
Single Family Housing	1.84	1.61	2.40	23.2	0.06	0.04	5.54	5.59	0.04	1.41	1.45	—	6,432	6,432	0.20	0.26	22.6	6,536
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

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Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.60	0.91	37.2	10.8	0.34	0.61	11.7	12.3	0.59	3.13	3.71	—	36,905	36,905	0.60	5.50	108	38,666
High Turnover (Sit Down Restaurant)	5.35	5.03	3.38	30.0	0.07	0.05	5.81	5.86	0.05	1.47	1.52	—	6,936	6,936	0.35	0.34	23.7	7,070
Quality Restaurant	1.39	1.33	0.68	5.70	0.01	0.01	0.94	0.95	0.01	0.24	0.25	—	1,147	1,147	0.08	0.07	3.82	1,173
Total	38.8	35.6	59.4	282	0.95	0.97	66.9	67.9	0.92	17.1	18.0	—	98,254	98,254	3.19	7.75	313	100,958
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	8.47	7.55	6.04	94.4	0.24	0.11	25.9	26.0	0.10	6.55	6.65	—	24,580	24,580	0.81	0.61	2.28	24,784
Refrigerated Warehouse-No Rail	0.82	0.73	0.59	9.18	0.02	0.01	2.52	2.53	0.01	0.64	0.65	—	2,390	2,390	0.08	0.06	0.22	2,410
Convenience Market with Gas Pumps	12.1	11.5	6.54	47.5	0.09	0.08	8.18	8.26	0.07	2.08	2.15	—	9,494	9,494	0.77	0.62	0.87	9,698
Fast Food Restaurant with Drive Thru	5.63	5.28	3.98	29.0	0.07	0.06	6.31	6.37	0.05	1.60	1.65	—	7,098	7,098	0.41	0.39	0.67	7,225
Single Family Housing	1.76	1.52	2.58	18.7	0.06	0.04	5.54	5.59	0.04	1.41	1.45	—	6,036	6,036	0.20	0.26	0.59	6,121

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.57	0.88	38.8	10.9	0.34	0.61	11.7	12.3	0.59	3.13	3.71	—	36,916	36,916	0.60	5.50	2.79	38,573
High Turnover (Sit Down Restaurant)	5.00	4.67	3.61	26.3	0.06	0.05	5.81	5.86	0.05	1.47	1.52	—	6,523	6,523	0.37	0.35	0.61	6,638
Quality Restaurant	1.29	1.23	0.72	5.25	0.01	0.01	0.94	0.95	0.01	0.24	0.25	—	1,081	1,081	0.08	0.07	0.10	1,104
Total	36.6	33.4	62.9	241	0.91	0.97	66.9	67.9	0.92	17.1	18.0	—	94,120	94,120	3.32	7.86	8.13	96,553
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	1.34	1.20	0.99	15.7	0.04	0.02	4.08	4.10	0.02	1.03	1.05	—	3,602	3,602	0.12	0.09	5.50	3,637
Refrigerated Warehouse-No Rail	0.13	0.11	0.09	1.49	< 0.005	< 0.005	0.39	0.39	< 0.005	0.10	0.10	—	342	342	0.01	0.01	0.52	345
Convenience Market with Gas Pumps	1.98	1.89	1.10	8.09	0.02	0.01	1.34	1.35	0.01	0.34	0.35	—	1,440	1,440	0.12	0.09	2.17	1,473
Fast Food Restaurant with Drive Thru	0.81	0.76	0.59	4.34	0.01	0.01	0.90	0.91	0.01	0.23	0.24	—	943	943	0.05	0.05	1.46	961
Single Family Housing	0.31	0.27	0.47	3.50	0.01	0.01	0.98	0.99	0.01	0.25	0.26	—	991	991	0.03	0.04	1.59	1,006

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.26	0.15	6.55	1.81	0.06	0.10	1.93	2.04	0.10	0.52	0.62	—	5,596	5,596	0.09	0.83	7.04	5,854
High Turnover (Sit Down Restaurant)	0.72	0.68	0.54	3.97	0.01	0.01	0.84	0.85	0.01	0.21	0.22	—	874	874	0.05	0.05	1.36	891
Quality Restaurant	0.22	0.20	0.12	0.91	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.04	—	166	166	0.01	0.01	0.25	170
Total	5.78	5.26	10.5	39.8	0.15	0.16	10.6	10.8	0.15	2.72	2.87	—	13,953	13,953	0.48	1.18	19.9	14,336

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	10,493	10,493	1.00	0.12	—	10,554
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	2,322	2,322	0.22	0.03	—	2,335

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	520	520	0.05	0.01	—	523
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	83.3	83.3	0.01	< 0.005	—	83.7
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	283	283	0.03	< 0.005	—	285
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	172	172	0.02	< 0.005	—	173
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	316	316	0.03	< 0.005	—	318
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	140	140	0.01	< 0.005	—	141
Total	—	—	—	—	—	—	—	—	—	—	—	—	14,330	14,330	1.37	0.17	—	14,414
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	10,493	10,493	1.00	0.12	—	10,554

Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	2,322	2,322	0.22	0.03	—	2,335
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	520	520	0.05	0.01	—	523
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	83.3	83.3	0.01	< 0.005	—	83.7
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	283	283	0.03	< 0.005	—	285
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	172	172	0.02	< 0.005	—	173
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	316	316	0.03	< 0.005	—	318
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	140	140	0.01	< 0.005	—	141
Total	—	—	—	—	—	—	—	—	—	—	—	—	14,330	14,330	1.37	0.17	—	14,414
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	1,737	1,737	0.17	0.02	—	1,747

Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	384	384	0.04	< 0.005	—	387
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	86.1	86.1	0.01	< 0.005	—	86.6
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	13.8	13.8	< 0.005	< 0.005	—	13.9
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	46.9	46.9	< 0.005	< 0.005	—	47.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	28.5	28.5	< 0.005	< 0.005	—	28.7
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	52.4	52.4	< 0.005	< 0.005	—	52.7
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	23.2	23.2	< 0.005	< 0.005	—	23.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,373	2,373	0.23	0.03	—	2,386

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.52	0.26	4.70	3.95	0.03	0.36	—	0.36	0.36	—	0.36	—	5,607	5,607	0.50	0.01	—	5,623
Refrigerated Warehouse-No Rail	0.09	0.04	0.80	0.67	< 0.005	0.06	—	0.06	0.06	—	0.06	—	949	949	0.08	< 0.005	—	952
Convenience Market with Gas Pumps	0.01	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	92.0	92.0	0.01	< 0.005	—	92.2
Fast Food Restaurant with Drive Thru	0.01	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	91.4	91.4	0.01	< 0.005	—	91.6
Single Family Housing	0.03	0.02	0.29	0.12	< 0.005	0.02	—	0.02	0.02	—	0.02	—	365	365	0.03	< 0.005	—	366
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	0.03	0.02	0.29	0.24	< 0.005	0.02	—	0.02	0.02	—	0.02	—	347	347	0.03	< 0.005	—	348

Quality Restaurant	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	154
Total	0.70	0.35	6.36	5.22	0.04	0.48	—	0.48	0.48	—	0.48	—	7,605	7,605	0.67	0.01	—	7,627
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.52	0.26	4.70	3.95	0.03	0.36	—	0.36	0.36	—	0.36	—	5,607	5,607	0.50	0.01	—	5,623
Refrigerated Warehouse-No Rail	0.09	0.04	0.80	0.67	< 0.005	0.06	—	0.06	0.06	—	0.06	—	949	949	0.08	< 0.005	—	952
Convenience Market with Gas Pumps	0.01	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	92.0	92.0	0.01	< 0.005	—	92.2
Fast Food Restaurant with Drive Thru	0.01	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	91.4	91.4	0.01	< 0.005	—	91.6
Single Family Housing	0.03	0.02	0.29	0.12	< 0.005	0.02	—	0.02	0.02	—	0.02	—	365	365	0.03	< 0.005	—	366
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

High Turnover (Sit Down Restaurant)	0.03	0.02	0.29	0.24	< 0.005	0.02	—	0.02	0.02	—	0.02	—	347	347	0.03	< 0.005	—	348
Quality Restaurant	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	154
Total	0.70	0.35	6.36	5.22	0.04	0.48	—	0.48	0.48	—	0.48	—	7,605	7,605	0.67	0.01	—	7,627
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.09	0.05	0.86	0.72	0.01	0.07	—	0.07	0.07	—	0.07	—	928	928	0.08	< 0.005	—	931
Refrigerated Warehouse-No Rail	0.02	0.01	0.15	0.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	157	157	0.01	< 0.005	—	158
Convenience Market with Gas Pumps	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.2	15.2	< 0.005	< 0.005	—	15.3
Fast Food Restaurant with Drive Thru	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.1	15.1	< 0.005	< 0.005	—	15.2
Single Family Housing	0.01	< 0.005	0.05	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	60.4	60.4	0.01	< 0.005	—	60.6
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

High Turnover (Sit Down Restaurant)	0.01	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	57.5	57.5	0.01	< 0.005	—	57.7
Quality Restaurant	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.4	25.4	< 0.005	< 0.005	—	25.5
Total	0.13	0.06	1.16	0.95	0.01	0.09	—	0.09	0.09	—	0.09	—	1,259	1,259	0.11	< 0.005	—	1,263

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.06	0.03	0.48	0.20	< 0.005	0.04	—	0.04	0.04	—	0.04	0.00	606	606	0.01	< 0.005	—	607
Consumer Products	18.1	18.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.22	1.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.20	5.73	0.30	35.7	< 0.005	0.06	—	0.06	0.05	—	0.05	—	144	144	0.01	< 0.005	—	145
Total	25.6	25.1	0.78	35.9	0.01	0.10	—	0.10	0.08	—	0.08	0.00	751	751	0.02	< 0.005	—	752
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.06	0.03	0.48	0.20	< 0.005	0.04	—	0.04	0.04	—	0.04	0.00	606	606	0.01	< 0.005	—	607

Consumer	18.1	18.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.22	1.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	19.4	19.4	0.48	0.20	< 0.005	0.04	—	0.04	0.04	—	0.04	0.00	606	606	0.01	< 0.005	—	607
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	6.88	6.88	< 0.005	< 0.005	—	6.88
Consumer Products	3.31	3.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.22	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.77	0.72	0.04	4.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	16.4	16.4	< 0.005	< 0.005	—	16.4
Total	4.31	4.25	0.04	4.47	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	23.2	23.2	< 0.005	< 0.005	—	23.3

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	40.3	172	212	4.15	0.10	—	346

Refrigerated Warehouse Rail	—	—	—	—	—	—	—	—	—	—	—	7.11	24.0	31.1	0.73	0.02	—	54.6
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	3.18	10.7	13.9	0.33	0.01	—	24.5
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.49	1.65	2.14	0.05	< 0.005	—	3.76
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	11.3	204	216	1.18	0.03	—	254
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.78	6.00	7.78	0.18	< 0.005	—	13.7
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.79	2.65	3.44	0.08	< 0.005	—	6.05
Total	—	—	—	—	—	—	—	—	—	—	—	65.0	421	486	6.70	0.16	—	702
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	40.3	172	212	4.15	0.10	—	346

Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	7.11	24.0	31.1	0.73	0.02	—	54.6
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	3.18	10.7	13.9	0.33	0.01	—	24.5
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.49	1.65	2.14	0.05	< 0.005	—	3.76
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	11.3	204	216	1.18	0.03	—	254
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.78	6.00	7.78	0.18	< 0.005	—	13.7
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.79	2.65	3.44	0.08	< 0.005	—	6.05
Total	—	—	—	—	—	—	—	—	—	—	—	65.0	421	486	6.70	0.16	—	702
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	6.67	28.4	35.1	0.69	0.02	—	57.2

Refrigerated Warehouse Rail	—	—	—	—	—	—	—	—	—	—	—	1.18	3.97	5.14	0.12	< 0.005	—	9.04
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.53	1.78	2.30	0.05	< 0.005	—	4.05
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.08	0.27	0.35	0.01	< 0.005	—	0.62
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.88	33.8	35.7	0.20	< 0.005	—	42.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.29	0.99	1.29	0.03	< 0.005	—	2.26
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.13	0.44	0.57	0.01	< 0.005	—	1.00
Total	—	—	—	—	—	—	—	—	—	—	—	10.8	69.7	80.5	1.11	0.03	—	116

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	424	0.00	424	42.4	0.00	—	1,483
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	56.7	0.00	56.7	5.67	0.00	—	198
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	2.74	0.00	2.74	0.27	0.00	—	9.59
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	15.5	0.00	15.5	1.55	0.00	—	54.3
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	15.7	0.00	15.7	1.57	0.00	—	55.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Green River Ranch Specific Plan Amendment (Operations) Detailed Report, 6/7/2024

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	2.07	0.00	2.07	0.21	0.00	—	7.23
Total	—	—	—	—	—	—	—	—	—	—	—	578	0.00	578	57.7	0.00	—	2,021
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	424	0.00	424	42.4	0.00	—	1,483
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	56.7	0.00	56.7	5.67	0.00	—	198
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	2.74	0.00	2.74	0.27	0.00	—	9.59
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	15.5	0.00	15.5	1.55	0.00	—	54.3
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	15.7	0.00	15.7	1.57	0.00	—	55.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	2.07	0.00	2.07	0.21	0.00	—	7.23
Total	—	—	—	—	—	—	—	—	—	—	—	578	0.00	578	57.7	0.00	—	2,021
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	70.2	0.00	70.2	7.01	0.00	—	246
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	9.39	0.00	9.39	0.94	0.00	—	32.8
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.45	0.00	0.45	0.05	0.00	—	1.59
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.57	0.00	2.57	0.26	0.00	—	8.99
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	2.61	0.00	2.61	0.26	0.00	—	9.11
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	10.1	0.00	10.1	1.01	0.00	—	35.3
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.34	0.00	0.34	0.03	0.00	—	1.20
Total	—	—	—	—	—	—	—	—	—	—	—	95.6	0.00	95.6	9.56	0.00	—	335

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59.3	59.3
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	114	114
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	136	136

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.40	1.40
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.40	0.40
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.33	5.33
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.36	2.36
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	318	318
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59.3	59.3
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	114	114
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	136	136
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.40	1.40
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.40	0.40

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.33	5.33
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.36	2.36
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	318	318
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.82	9.82
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	18.9	18.9
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	22.4	22.4
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.88	0.88
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	52.7	52.7

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	5.41	4.92	13.8	12.6	0.02	0.72	0.00	0.72	0.72	0.00	0.72	0.00	2,519	2,519	0.10	0.02	0.00	2,527
Total	5.41	4.92	13.8	12.6	0.02	0.72	0.00	0.72	0.72	0.00	0.72	0.00	2,519	2,519	0.10	0.02	0.00	2,527

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	5.41	4.92	13.8	12.6	0.02	0.72	0.00	0.72	0.72	0.00	0.72	0.00	2,519	2,519	0.10	0.02	0.00	2,527
Total	5.41	4.92	13.8	12.6	0.02	0.72	0.00	0.72	0.72	0.00	0.72	0.00	2,519	2,519	0.10	0.02	0.00	2,527
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.14	0.12	0.34	0.31	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	57.1	57.1	< 0.005	< 0.005	0.00	57.3
Total	0.14	0.12	0.34	0.31	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	57.1	57.1	< 0.005	< 0.005	0.00	57.3

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Industrial Park	1,776	1,338	653	566,873	37,240	28,061	13,698	11,886,525
Refrigerated Warehouse-No Rail	154	88.3	173	53,762	3,229	1,852	3,621	1,127,314
Convenience Market with Gas Pumps	3,182	3,198	3,568	1,182,400	10,297	10,348	11,545	3,826,063
Fast Food Restaurant with Drive Thru	1,170	1,540	1,181	446,956	6,766	8,907	6,832	2,584,629
Single Family Housing	302	303	271	108,724	7,787	7,820	6,995	2,802,804
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	448	319	312	149,637	13,440	9,587	9,363	4,492,115
High Turnover (Sit Down Restaurant)	1,018	1,163	1,355	396,702	6,161	7,037	8,200	2,400,642
Quality Restaurant	352	378	302	127,252	1,230	1,322	1,056	444,754

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	29
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	3

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)
126360	42,120	1,169,201	389,734	100,310

5.10.3. Landscape Equipment

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	11,063,192	346	0.0330	0.0040	17,496,615
Refrigerated Warehouse-No Rail	2,447,749	346	0.0330	0.0040	2,961,653
Convenience Market with Gas Pumps	548,563	346	0.0330	0.0040	287,019
Fast Food Restaurant with Drive Thru	87,787	346	0.0330	0.0040	285,147
Single Family Housing	298,856	346	0.0330	0.0040	1,138,058
Parking Lot	181,635	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	346	0.0330	0.0040	0.00
High Turnover (Sit Down Restaurant)	333,592	346	0.0330	0.0040	1,083,559
Quality Restaurant	147,483	346	0.0330	0.0040	479,047

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	21,027,814	7,136,480
Refrigerated Warehouse-No Rail	3,710,791	0.00
Convenience Market with Gas Pumps	1,662,005	0.00
Fast Food Restaurant with Drive Thru	255,693	0.00
Single Family Housing	5,915,756	33,013,684
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
High Turnover (Sit Down Restaurant)	929,400	0.00

Quality Restaurant	410,893	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	786	—
Refrigerated Warehouse-No Rail	105	—
Convenience Market with Gas Pumps	5.08	—
Fast Food Restaurant with Drive Thru	28.8	—
Single Family Housing	29.2	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
High Turnover (Sit Down Restaurant)	113	—
Quality Restaurant	3.83	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	User Defined	750	0.30	4.00	4.00	18.0
Refrigerated Warehouse-No Rail	User Defined	User Defined	150	7.50	7.50	7.50	25.0
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0

Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	User Defined	150	26.5	16.5	16.5	18.0
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	User Defined	750	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	User Defined	150	< 0.005	7.50	7.50	20.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	User Defined	750	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	User Defined	750	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	User Defined	150	< 0.005	7.50	7.50	20.0
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	User Defined	750	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	User Defined	150	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Fire Pump	Diesel	5.00	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. 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	15.0	annual days of extreme heat
Extreme Precipitation	4.00	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	35.4	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	2	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	2	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	71.8
AQ-PM	64.5
AQ-DPM	8.03
Drinking Water	85.7
Lead Risk Housing	0.84
Pesticides	0.00
Toxic Releases	65.2
Traffic	99.3
Effect Indicators	—
CleanUp Sites	38.4
Groundwater	0.00
Haz Waste Facilities/Generators	23.7
Impaired Water Bodies	12.5
Solid Waste	0.00
Sensitive Population	—
Asthma	6.74
Cardio-vascular	40.4
Low Birth Weights	11.1
Socioeconomic Factor Indicators	—
Education	25.1
Housing	32.3
Linguistic	22.2
Poverty	12.7

Unemployment	35.0

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	85.76928012
Employed	47.8121391
Median HI	87.09097908
Education	—
Bachelor's or higher	69.48543565
High school enrollment	18.81175414
Preschool enrollment	13.15282946
Transportation	—
Auto Access	74.57975106
Active commuting	9.303220839
Social	—
2-parent households	98.93494161
Voting	54.20248941
Neighborhood	—
Alcohol availability	89.47773643
Park access	49.18516617
Retail density	5.748748877
Supermarket access	34.80046195
Tree canopy	40.76735532
Housing	—
Homeownership	92.7242397

Housing habitability	79.62273835
Low-inc homeowner severe housing cost burden	30.37341204
Low-inc renter severe housing cost burden	52.0980367
Uncrowded housing	91.95431798
Health Outcomes	—
Insured adults	67.56063134
Arthritis	61.9
Asthma ER Admissions	87.2
High Blood Pressure	51.5
Cancer (excluding skin)	45.0
Asthma	58.2
Coronary Heart Disease	83.6
Chronic Obstructive Pulmonary Disease	76.7
Diagnosed Diabetes	83.3
Life Expectancy at Birth	63.2
Cognitively Disabled	72.6
Physically Disabled	83.0
Heart Attack ER Admissions	55.9
Mental Health Not Good	67.2
Chronic Kidney Disease	85.5
Obesity	49.6
Pedestrian Injuries	66.1
Physical Health Not Good	74.9
Stroke	84.7
Health Risk Behaviors	—
Binge Drinking	21.6
Current Smoker	63.8

No Leisure Time for Physical Activity	72.6
Climate Change Exposures	—
Wildfire Risk	25.0
SLR Inundation Area	0.0
Children	64.0
Elderly	70.8
English Speaking	81.7
Foreign-born	28.2
Outdoor Workers	60.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	78.7
Traffic Density	98.1
Traffic Access	23.0
Other Indices	—
Hardship	29.3
Other Decision Support	—
2016 Voting	64.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	15.0
Healthy Places Index Score for Project Location (b)	69.0
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
Land Use	Taken From Site Plan
Operations: Vehicle Data	Trip Characteristics based on information provided in the Traffic Analysis
Operations: Fleet Mix	Passenger Car Mix estimated based on CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, MCY). Truck Fleet Mix based on 2, 3 and 4 axle trucks
Operations: Hearths	SCAQMD Rule 445 no wood burning devices, Wood burning fireplaces added to gas fireplaces
Operations: Architectural Coatings	SCAQMD Rule 1113
Operations: Water and Waste Water	Water usage adjusted to reflect the WSA (December 2020)
Operations: Refrigerants	As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

TRU Emissions

2026	Year
Riverside (SC)	Region

Transport Refrigeration Unit - Instate Trailer

23	No. of Units
4	Hours/day

Total Two-Way TRU Trips per day
86

Transport Refrigeration Unit - Instate Truck

20	No. of Units
4	Hours/day

	Activity (hrs/year)
Transport Refrigeration Unit - Instate Trailer	3,327,365
Transport Refrigeration Unit - Instate Truck	299,068

Unit		Emission Factor						
		ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}	CO ₂
Transport Refrigeration Unit - Instate Trailer	Emissions (tons/day)	3.80E-01	3.52E-01	4.82E-02	0.00E+00	8.05E-03	7.41E-03	7.27E+01
	Emissions (lbs/hr)	8.34E-02	7.72E-02	1.06E-02	0.00E+00	1.77E-03	1.63E-03	1.60E+01
Transport Refrigeration Unit - Instate Truck	Emissions (tons/day)	2.51E-02	3.19E-02	2.73E-03	0.00E+00	1.64E-03	1.51E-03	5.09E+00
	Emissions (lbs/hr)	6.12E-02	7.78E-02	6.66E-03	0.00E+00	4.00E-03	3.68E-03	1.24E+01

Unit	Emissions (lbs/day)							MT/yr
	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}	CO ₂	
Transport Refrigeration Unit - Instate Trailer	7.67	7.10	0.97	0.00	0.16	0.15		243.02
Transport Refrigeration Unit - Instate Truck	4.90	6.23	0.53	0.00	0.32	0.29		164.68
Total	12.56	13.33	1.50	0.00	0.48	0.44		407.70

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APPENDIX 3.4:

CALEEMOD OPERATIONAL LST EMISSIONS MODEL OUTPUTS

Green River Ranch Specific Plan Amendment (Operation LSTs) Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Green River Ranch Specific Plan Amendment (Operation LSTs)
Operational Year	2026
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	2.60
Precipitation (days)	21.0
Location	33.875872, -117.655476
County	Riverside-South Coast
City	Corona
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5471
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.13

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Industrial Park	634	1000sqft	14.6	634,242	647,754	—	—	—

Refrigerated Warehouse-No Rail	112	1000sqft	2.57	111,925	0.00	—	—	—
Convenience Market with Gas Pumps	12.0	Pump	0.39	17,100	0.00	—	—	—
Fast Food Restaurant with Drive Thru	2.50	1000sqft	0.06	2,500	0.00	—	—	—
Single Family Housing	32.0	Dwelling Unit	20.4	62,400	374,811	—	103	—
Parking Lot	1,213	Space	4.76	0.00	0.00	—	—	—
Other Asphalt Surfaces	33.9	Acre	33.9	0.00	0.00	—	—	—
User Defined Industrial	746	User Defined Unit	0.00	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	30.2	47.7	19.2	99.8	0.12	0.63	1.98	2.61	0.63	0.36	1.00	580	30,427	31,007	61.3	1.31	438	33,368
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	22.5	40.4	19.6	67.5	0.12	0.58	1.98	2.56	0.58	0.36	0.94	580	29,985	30,565	61.4	1.33	417	32,915

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	23.0	40.7	17.6	82.7	0.10	0.56	1.71	2.27	0.57	0.31	0.88	580	28,498	29,077	61.2	1.20	425	31,391
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.20	7.43	3.22	15.1	0.02	0.10	0.31	0.41	0.10	0.06	0.16	95.9	4,718	4,814	10.1	0.20	70.3	5,197

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	23.4	22.6	12.4	59.6	0.08	0.09	1.98	2.07	0.08	0.36	0.45	—	8,279	8,279	1.20	0.97	21.7	8,621
Area	6.15	24.7	0.78	35.3	0.01	0.08	—	0.08	0.10	—	0.10	0.00	748	748	0.02	< 0.005	—	749
Energy	0.65	0.33	5.94	4.87	0.04	0.45	—	0.45	0.45	—	0.45	—	20,979	20,979	1.95	0.17	—	21,079
Water	—	—	—	—	—	—	—	—	—	—	—	65.0	421	486	6.70	0.16	—	702
Waste	—	—	—	—	—	—	—	—	—	—	—	515	0.00	515	51.4	0.00	—	1,800
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	417	417
Total	30.2	47.7	19.2	99.8	0.12	0.63	1.98	2.61	0.63	0.36	1.00	580	30,427	31,007	61.3	1.31	438	33,368
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	21.8	21.0	13.2	62.4	0.08	0.09	1.98	2.07	0.08	0.36	0.45	—	7,979	7,979	1.33	1.00	0.56	8,310
Area	0.06	19.1	0.48	0.20	< 0.005	0.04	—	0.04	0.04	—	0.04	0.00	606	606	0.01	< 0.005	—	607
Energy	0.65	0.33	5.94	4.87	0.04	0.45	—	0.45	0.45	—	0.45	—	20,979	20,979	1.95	0.17	—	21,079
Water	—	—	—	—	—	—	—	—	—	—	—	65.0	421	486	6.70	0.16	—	702
Waste	—	—	—	—	—	—	—	—	—	—	—	515	0.00	515	51.4	0.00	—	1,800
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	417	417

Total	22.5	40.4	19.6	67.5	0.12	0.58	1.98	2.56	0.58	0.36	0.94	580	29,985	30,565	61.4	1.33	417	32,915
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	18.2	17.5	11.5	53.8	0.07	0.08	1.71	1.78	0.07	0.31	0.39	—	6,959	6,959	1.13	0.87	8.14	7,254
Area	4.18	22.9	0.24	24.1	< 0.005	0.03	—	0.03	0.04	—	0.04	0.00	139	139	< 0.005	< 0.005	—	139
Energy	0.65	0.33	5.94	4.87	0.04	0.45	—	0.45	0.45	—	0.45	—	20,979	20,979	1.95	0.17	—	21,079
Water	—	—	—	—	—	—	—	—	—	—	—	65.0	421	486	6.70	0.16	—	702
Waste	—	—	—	—	—	—	—	—	—	—	—	515	0.00	515	51.4	0.00	—	1,800
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	417	417
Total	23.0	40.7	17.6	82.7	0.10	0.56	1.71	2.27	0.57	0.31	0.88	580	28,498	29,077	61.2	1.20	425	31,391
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.32	3.19	2.09	9.81	0.01	0.01	0.31	0.33	0.01	0.06	0.07	—	1,152	1,152	0.19	0.14	1.35	1,201
Area	0.76	4.18	0.04	4.39	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	23.0	23.0	< 0.005	< 0.005	—	23.0
Energy	0.12	0.06	1.08	0.89	0.01	0.08	—	0.08	0.08	—	0.08	—	3,473	3,473	0.32	0.03	—	3,490
Water	—	—	—	—	—	—	—	—	—	—	—	10.8	69.7	80.5	1.11	0.03	—	116
Waste	—	—	—	—	—	—	—	—	—	—	—	85.2	0.00	85.2	8.51	0.00	—	298
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	69.0	69.0
Total	4.20	7.43	3.22	15.1	0.02	0.10	0.31	0.41	0.10	0.06	0.16	95.9	4,718	4,814	10.1	0.20	70.3	5,197

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	5.27	5.10	1.25	17.4	0.02	0.02	0.71	0.72	0.01	0.12	0.13	—	2,172	2,172	0.28	0.15	6.30	2,231
Refrigerated Warehouse-No Rail	0.51	0.50	0.12	1.69	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	—	211	211	0.03	0.01	0.61	217
Convenience Market with Gas Pumps	11.9	11.7	3.45	24.4	0.02	0.03	0.50	0.53	0.02	0.09	0.11	—	2,124	2,124	0.52	0.30	5.20	2,233
Fast Food Restaurant with Drive Thru	4.18	4.08	1.31	9.55	0.01	0.01	0.28	0.29	0.01	0.05	0.06	—	1,059	1,059	0.19	0.12	2.94	1,101
Single Family Housing	1.05	1.01	0.38	2.91	< 0.005	< 0.005	0.13	0.13	< 0.005	0.02	0.03	—	427	427	0.05	0.03	1.32	440
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.46	0.30	5.93	3.63	0.02	0.03	0.30	0.33	0.03	0.07	0.10	—	2,286	2,286	0.14	0.35	5.38	2,399
Total	23.4	22.6	12.4	59.6	0.08	0.09	1.98	2.07	0.08	0.36	0.45	—	8,279	8,279	1.20	0.97	21.7	8,621
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	5.00	4.82	1.35	17.4	0.02	0.02	0.71	0.72	0.01	0.12	0.13	—	2,029	2,029	0.31	0.16	0.16	2,084

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Refrigerated Warehouse-No Rail	0.49	0.47	0.13	1.69	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	—	197	197	0.03	0.02	0.02	203
Convenience Market with Gas Pumps	11.0	10.7	3.65	26.6	0.02	0.03	0.50	0.53	0.02	0.09	0.11	—	2,042	2,042	0.58	0.31	0.13	2,150
Fast Food Restaurant with Drive Thru	3.88	3.76	1.39	10.1	0.01	0.01	0.28	0.29	0.01	0.05	0.06	—	1,010	1,010	0.21	0.12	0.08	1,051
Single Family Housing	0.97	0.94	0.40	2.91	< 0.005	< 0.005	0.13	0.13	< 0.005	0.02	0.03	—	405	405	0.06	0.04	0.03	417
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.43	0.27	6.24	3.75	0.02	0.03	0.30	0.33	0.03	0.07	0.10	—	2,297	2,297	0.14	0.35	0.14	2,405
Total	21.8	21.0	13.2	62.4	0.08	0.09	1.98	2.07	0.08	0.36	0.45	—	7,979	7,979	1.33	1.00	0.56	8,310
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.79	0.76	0.22	2.84	< 0.005	< 0.005	0.11	0.12	< 0.005	0.02	0.02	—	297	297	0.05	0.02	0.39	305
Refrigerated Warehouse-No Rail	0.07	0.07	0.02	0.27	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.2	28.2	< 0.005	< 0.005	0.04	28.9

Convenience Market with Gas Pumps	1.69	1.64	0.57	4.16	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.02	—	288	288	0.08	0.04	0.31	304
Fast Food Restaurant with Drive Thru	0.52	0.50	0.19	1.39	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	125	125	0.03	0.01	0.16	131
Single Family Housing	0.17	0.17	0.07	0.53	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	66.3	66.3	0.01	0.01	0.09	68.4
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
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.07	0.05	1.02	0.62	< 0.005	0.01	0.05	0.05	0.01	0.01	0.02	—	347	347	0.02	0.05	0.35	364
Total	3.32	3.19	2.09	9.81	0.01	0.01	0.31	0.33	0.01	0.06	0.07	—	1,152	1,152	0.19	0.14	1.35	1,201

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	10,493	10,493	1.00	0.12	—	10,554

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Refrigerated	—	—	—	—	—	—	—	—	—	—	—	—	2,322	2,322	0.22	0.03	—	2,335
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	520	520	0.05	0.01	—	523
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	83.3	83.3	0.01	< 0.005	—	83.7
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	283	283	0.03	< 0.005	—	285
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	172	172	0.02	< 0.005	—	173
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	13,874	13,874	1.32	0.16	—	13,955
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	10,493	10,493	1.00	0.12	—	10,554
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	2,322	2,322	0.22	0.03	—	2,335

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Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	520	520	0.05	0.01	—	523
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	83.3	83.3	0.01	< 0.005	—	83.7
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	283	283	0.03	< 0.005	—	285
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	172	172	0.02	< 0.005	—	173
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	13,874	13,874	1.32	0.16	—	13,955
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	1,737	1,737	0.17	0.02	—	1,747
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	384	384	0.04	< 0.005	—	387
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	86.1	86.1	0.01	< 0.005	—	86.6

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	13.8	13.8	< 0.005	< 0.005	—	13.9
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	46.9	46.9	< 0.005	< 0.005	—	47.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	28.5	28.5	< 0.005	< 0.005	—	28.7
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,297	2,297	0.22	0.03	—	2,310

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.52	0.26	4.70	3.95	0.03	0.36	—	0.36	0.36	—	0.36	—	5,607	5,607	0.50	0.01	—	5,623
Refrigerated Warehouse-No Rail	0.09	0.04	0.80	0.67	< 0.005	0.06	—	0.06	0.06	—	0.06	—	949	949	0.08	< 0.005	—	952

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Convenience Market with Gas Pumps	0.01	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	92.0	92.0	0.01	< 0.005	—	92.2
Fast Food Restaurant with Drive Thru	0.01	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	91.4	91.4	0.01	< 0.005	—	91.6
Single Family Housing	0.03	0.02	0.29	0.12	< 0.005	0.02	—	0.02	0.02	—	0.02	—	365	365	0.03	< 0.005	—	366
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.65	0.33	5.94	4.87	0.04	0.45	—	0.45	0.45	—	0.45	—	7,105	7,105	0.63	0.01	—	7,124
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.52	0.26	4.70	3.95	0.03	0.36	—	0.36	0.36	—	0.36	—	5,607	5,607	0.50	0.01	—	5,623
Refrigerated Warehouse-No Rail	0.09	0.04	0.80	0.67	< 0.005	0.06	—	0.06	0.06	—	0.06	—	949	949	0.08	< 0.005	—	952
Convenience Market with Gas Pumps	0.01	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	92.0	92.0	0.01	< 0.005	—	92.2

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Fast Food Restaurant with Drive Thru	0.01	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	91.4	91.4	0.01	< 0.005	—	91.6
Single Family Housing	0.03	0.02	0.29	0.12	< 0.005	0.02	—	0.02	0.02	—	0.02	—	365	365	0.03	< 0.005	—	366
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.65	0.33	5.94	4.87	0.04	0.45	—	0.45	0.45	—	0.45	—	7,105	7,105	0.63	0.01	—	7,124
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.09	0.05	0.86	0.72	0.01	0.07	—	0.07	0.07	—	0.07	—	928	928	0.08	< 0.005	—	931
Refrigerated Warehouse-No Rail	0.02	0.01	0.15	0.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	157	157	0.01	< 0.005	—	158
Convenience Market with Gas Pumps	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.2	15.2	< 0.005	< 0.005	—	15.3
Fast Food Restaurant with Drive Thru	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.1	15.1	< 0.005	< 0.005	—	15.2

Single Family Housing	0.01	< 0.005	0.05	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	60.4	60.4	0.01	< 0.005	—	60.6
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	0.06	1.08	0.89	0.01	0.08	—	0.08	0.08	—	0.08	—	1,176	1,176	0.10	< 0.005	—	1,180

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.06	0.03	0.48	0.20	< 0.005	0.04	—	0.04	0.04	—	0.04	0.00	606	606	0.01	< 0.005	—	607
Consumer Products	—	17.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.09	5.63	0.30	35.1	< 0.005	0.05	—	0.05	0.06	—	0.06	—	142	142	0.01	< 0.005	—	142
Total	6.15	24.7	0.78	35.3	0.01	0.08	—	0.08	0.10	—	0.10	0.00	748	748	0.02	< 0.005	—	749

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.06	0.03	0.48	0.20	< 0.005	0.04	—	0.04	0.04	—	0.04	0.00	606	606	0.01	< 0.005	—	607
Consumer Products	—	17.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.06	19.1	0.48	0.20	< 0.005	0.04	—	0.04	0.04	—	0.04	0.00	606	606	0.01	< 0.005	—	607
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	6.88	6.88	< 0.005	< 0.005	—	6.88
Consumer Products	—	3.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.76	0.70	0.04	4.39	< 0.005	0.01	—	0.01	0.01	—	0.01	—	16.1	16.1	< 0.005	< 0.005	—	16.1
Total	0.76	4.18	0.04	4.39	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	23.0	23.0	< 0.005	< 0.005	—	23.0

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

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

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	40.3	172	212	4.15	0.10	—	346
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	7.11	24.0	31.1	0.73	0.02	—	54.6
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	5.41	18.2	23.6	0.56	0.01	—	41.5
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.83	2.80	3.64	0.09	< 0.005	—	6.39
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	11.3	204	216	1.18	0.03	—	254
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	65.0	421	486	6.70	0.16	—	702
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	40.3	172	212	4.15	0.10	—	346

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Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	7.11	24.0	31.1	0.73	0.02	—	54.6
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	5.41	18.2	23.6	0.56	0.01	—	41.5
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.83	2.80	3.64	0.09	< 0.005	—	6.39
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	11.3	204	216	1.18	0.03	—	254
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	65.0	421	486	6.70	0.16	—	702
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	6.67	28.4	35.1	0.69	0.02	—	57.2
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1.18	3.97	5.14	0.12	< 0.005	—	9.04

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.90	3.02	3.91	0.09	< 0.005	—	6.88
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.14	0.46	0.60	0.01	< 0.005	—	1.06
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.88	33.8	35.7	0.20	< 0.005	—	42.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	10.8	69.7	80.5	1.11	0.03	—	116

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	424	0.00	424	42.4	0.00	—	1,483

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Refrigerated	—	—	—	—	—	—	—	—	—	—	—	56.7	0.00	56.7	5.67	0.00	—	198
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	2.74	0.00	2.74	0.27	0.00	—	9.59
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	15.5	0.00	15.5	1.55	0.00	—	54.3
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	15.7	0.00	15.7	1.57	0.00	—	55.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	515	0.00	515	51.4	0.00	—	1,800
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	424	0.00	424	42.4	0.00	—	1,483
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	56.7	0.00	56.7	5.67	0.00	—	198

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Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	2.74	0.00	2.74	0.27	0.00	—	9.59
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	15.5	0.00	15.5	1.55	0.00	—	54.3
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	15.7	0.00	15.7	1.57	0.00	—	55.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	515	0.00	515	51.4	0.00	—	1,800
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	70.2	0.00	70.2	7.01	0.00	—	246
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	9.39	0.00	9.39	0.94	0.00	—	32.8
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.45	0.00	0.45	0.05	0.00	—	1.59

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.57	0.00	2.57	0.26	0.00	—	8.99
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	2.61	0.00	2.61	0.26	0.00	—	9.11
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	85.2	0.00	85.2	8.51	0.00	—	298

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	165	165
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	114	114

Green River Ranch Specific Plan Amendment (Operation LSTs) Detailed Report, 5/30/2023

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	136	136
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.40	1.40
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.45	0.45
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	417	417
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	165	165
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	114	114
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	136	136
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.40	1.40
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.45	0.45
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	417	417

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	27.3	27.3
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	18.9	18.9
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	22.5	22.5
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	69.0	69.0

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Industrial Park	1,776	1,338	653	566,873	2,664	2,007	980	850,310

Refrigerated Warehouse-No Rail	154	88.3	173	53,762	231	132	259	80,643
Convenience Market with Gas Pumps	2,880	3,198	3,568	1,103,764	1,452	1,612	1,798	556,241
Fast Food Restaurant with Drive Thru	868	1,238	879	336,726	714	1,019	723	276,957
Single Family Housing	302	303	271	108,724	453	455	407	163,086
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	448	319	312	149,637	672	479	468	224,456

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	29
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	3

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)
126360	42,120	1,148,651	382,884	101,120

5.10.3. Landscape Equipment

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	11,063,192	346	0.0330	0.0040	17,496,615
Refrigerated Warehouse-No Rail	2,447,749	346	0.0330	0.0040	2,961,653
Convenience Market with Gas Pumps	548,563	346	0.0330	0.0040	287,019
Fast Food Restaurant with Drive Thru	87,787	346	0.0330	0.0040	285,147
Single Family Housing	298,856	346	0.0330	0.0040	1,138,058
Parking Lot	181,635	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	21,027,814	7,136,480
Refrigerated Warehouse-No Rail	3,710,791	0.00
Convenience Market with Gas Pumps	2,823,591	0.00
Fast Food Restaurant with Drive Thru	434,399	0.00
Single Family Housing	5,915,756	33,013,684
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	786	—
Refrigerated Warehouse-No Rail	105	—
Convenience Market with Gas Pumps	5.08	—
Fast Food Restaurant with Drive Thru	28.8	—
Single Family Housing	29.2	—
Parking Lot	0.00	—
Other Asphalt Surfaces	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

Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
Refrigerated Warehouse-No Rail	User Defined	User Defined	150	7.50	7.50	7.50	25.0
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	User Defined	150	26.5	16.5	16.5	18.0
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	User Defined	750	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	User Defined	150	< 0.005	7.50	7.50	20.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

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	15.0	annual days of extreme heat
Extreme Precipitation	4.00	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	35.4	annual hectares burned

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

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	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	2	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	71.8

AQ-PM	64.5
AQ-DPM	8.03
Drinking Water	85.7
Lead Risk Housing	0.84
Pesticides	0.00
Toxic Releases	65.2
Traffic	99.3
Effect Indicators	—
CleanUp Sites	38.4
Groundwater	0.00
Haz Waste Facilities/Generators	23.7
Impaired Water Bodies	12.5
Solid Waste	0.00
Sensitive Population	—
Asthma	6.74
Cardio-vascular	40.4
Low Birth Weights	11.1
Socioeconomic Factor Indicators	—
Education	25.1
Housing	32.3
Linguistic	22.2
Poverty	12.7
Unemployment	35.0

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract

Economic	—
Above Poverty	85.76928012
Employed	47.8121391
Median HI	87.09097908
Education	—
Bachelor's or higher	69.48543565
High school enrollment	18.81175414
Preschool enrollment	13.15282946
Transportation	—
Auto Access	74.57975106
Active commuting	9.303220839
Social	—
2-parent households	98.93494161
Voting	54.20248941
Neighborhood	—
Alcohol availability	89.47773643
Park access	49.18516617
Retail density	5.748748877
Supermarket access	34.80046195
Tree canopy	40.76735532
Housing	—
Homeownership	92.7242397
Housing habitability	79.62273835
Low-inc homeowner severe housing cost burden	30.37341204
Low-inc renter severe housing cost burden	52.0980367
Uncrowded housing	91.95431798
Health Outcomes	—

Insured adults	67.56063134
Arthritis	61.9
Asthma ER Admissions	87.2
High Blood Pressure	51.5
Cancer (excluding skin)	45.0
Asthma	58.2
Coronary Heart Disease	83.6
Chronic Obstructive Pulmonary Disease	76.7
Diagnosed Diabetes	83.3
Life Expectancy at Birth	63.2
Cognitively Disabled	72.6
Physically Disabled	83.0
Heart Attack ER Admissions	55.9
Mental Health Not Good	67.2
Chronic Kidney Disease	85.5
Obesity	49.6
Pedestrian Injuries	66.1
Physical Health Not Good	74.9
Stroke	84.7
Health Risk Behaviors	—
Binge Drinking	21.6
Current Smoker	63.8
No Leisure Time for Physical Activity	72.6
Climate Change Exposures	—
Wildfire Risk	25.0
SLR Inundation Area	0.0
Children	64.0

Elderly	70.8
English Speaking	81.7
Foreign-born	28.2
Outdoor Workers	60.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	78.7
Traffic Density	98.1
Traffic Access	23.0
Other Indices	—
Hardship	29.3
Other Decision Support	—
2016 Voting	64.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	15.0
Healthy Places Index Score for Project Location (b)	69.0
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
Land Use	Taken From Site Plan
Operations: Vehicle Data	Trip Characteristics based on information provided in the Traffic Analysis
Operations: Fleet Mix	Passenger Car Mix estimated based on CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, MCY). Truck Fleet Mix based on 2, 3 and 4 axle trucks
Operations: Hearths	SCAQMD Rule 445 no wood burning devices, Wood burning fireplaces added to gas fireplaces
Operations: Architectural Coatings	SCAQMD Rule 1113
Operations: Water and Waste Water	Water usage adjusted to reflect the WSA (December 2020)
Operations: Refrigerants	As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

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APPENDIX 3.5:

AERMOD MODEL OUTPUTS

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**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 6/10/2024
** File: C:\Users\adadabhoy\Desktop\AERMOD\12630 Green River Ranch\12630 Cons LST
CO\12630 Cons LST CO.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Users\Michael Tirohn\Desktop\HRAS\12630 Green River Ranch\12630 0
  MODELOPT DFAULT CONC
  AVERTIME 1 8
  URBANOPT 2189641 Riverside_County
  POLLUTID CO
  FLAGPOLE 2.00
  RUNORNOT RUN
  ERRORFIL "12630 Cons LST CO.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION VOL1      VOLUME      439309.748    3748858.376    161.250
LOCATION VOL2      VOLUME      439374.128    3748922.763    156.930
LOCATION VOL3      VOLUME      439455.801    3748932.328    154.240
LOCATION VOL4      VOLUME      439463.159    3748879.351    157.760
LOCATION VOL5      VOLUME      439391.051    3748849.183    160.760
LOCATION VOL6      VOLUME      439538.210    3748941.894    153.630
LOCATION VOL7      VOLUME      439791.324    3748855.070    157.420
LOCATION VOL8      VOLUME      439711.122    3748854.334    157.470
LOCATION VOL9      VOLUME      439633.128    3748853.598    157.760
LOCATION VOL10     VOLUME      439551.455    3748852.127    158.730
LOCATION VOL11     VOLUME      439793.532    3748775.604    163.250
LOCATION VOL12     VOLUME      439712.594    3748774.868    161.370
LOCATION VOL13     VOLUME      439632.392    3748774.132    162.310

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LOCATION VOL14	VOLUME	439552.190	3748773.396	163.870
LOCATION VOL15	VOLUME	439471.989	3748772.661	162.240
LOCATION VOL16	VOLUME	439391.051	3748771.925	164.850
LOCATION VOL17	VOLUME	439310.849	3748769.717	165.560
LOCATION VOL18	VOLUME	439121.750	3748688.044	178.040
LOCATION VOL19	VOLUME	439202.687	3748688.044	176.120
LOCATION VOL20	VOLUME	439283.625	3748689.516	171.580
LOCATION VOL21	VOLUME	439365.298	3748690.251	170.660
LOCATION VOL22	VOLUME	439446.972	3748692.459	169.250
LOCATION VOL23	VOLUME	439528.645	3748693.930	171.250
LOCATION VOL24	VOLUME	439610.318	3748694.666	167.770
LOCATION VOL25	VOLUME	439691.992	3748693.195	166.370
LOCATION VOL26	VOLUME	439772.929	3748693.195	175.080
LOCATION VOL27	VOLUME	439822.963	3748612.993	188.660
LOCATION VOL28	VOLUME	439743.497	3748613.729	173.330
LOCATION VOL29	VOLUME	439662.560	3748612.993	177.500
LOCATION VOL30	VOLUME	439583.094	3748613.729	177.610
LOCATION VOL31	VOLUME	439502.156	3748613.729	180.210
LOCATION VOL32	VOLUME	439421.219	3748612.993	175.050
LOCATION VOL33	VOLUME	439341.753	3748613.729	180.220
LOCATION VOL34	VOLUME	439260.815	3748613.729	185.530
LOCATION VOL35	VOLUME	439180.613	3748611.521	196.860
LOCATION VOL36	VOLUME	439132.787	3748609.314	188.370
LOCATION VOL37	VOLUME	439132.051	3748527.640	198.180
LOCATION VOL38	VOLUME	439212.988	3748528.376	207.120
LOCATION VOL39	VOLUME	439291.719	3748530.584	210.020
LOCATION VOL40	VOLUME	439372.656	3748531.319	192.510
LOCATION VOL41	VOLUME	439453.594	3748530.584	191.060
LOCATION VOL42	VOLUME	439535.267	3748532.791	202.180
LOCATION VOL43	VOLUME	439616.205	3748533.527	177.120
LOCATION VOL44	VOLUME	439697.142	3748532.791	199.900
LOCATION VOL45	VOLUME	439778.080	3748534.998	179.030
LOCATION VOL46	VOLUME	439821.492	3748532.055	188.360
LOCATION VOL48	VOLUME	439213.724	3748448.174	212.290
LOCATION VOL49	VOLUME	439293.926	3748449.646	227.840
LOCATION VOL50	VOLUME	439373.392	3748451.118	194.220
LOCATION VOL51	VOLUME	439452.858	3748449.646	203.050
LOCATION VOL52	VOLUME	439534.531	3748451.118	218.960
LOCATION VOL53	VOLUME	439614.733	3748453.325	186.120
LOCATION VOL54	VOLUME	439696.407	3748454.797	204.900
LOCATION VOL55	VOLUME	439780.287	3748453.325	199.550
LOCATION VOL58	VOLUME	439290.247	3748369.444	229.260
LOCATION VOL59	VOLUME	439370.449	3748369.444	199.150
LOCATION VOL60	VOLUME	439451.386	3748370.916	231.160
LOCATION VOL61	VOLUME	439533.796	3748370.916	220.080
LOCATION VOL62	VOLUME	439613.997	3748373.123	193.690
LOCATION VOL63	VOLUME	439693.463	3748374.595	208.120

** Source Parameters **

SRCPARAM VOL1	0.016466348	5.000	18.651	1.400
SRCPARAM VOL2	0.016466348	5.000	18.651	1.400

[illegible]

SRCPARAM VOL54	0.016466348	5.000	18.651	1.400
SRCPARAM VOL55	0.016466348	5.000	18.651	1.400
SRCPARAM VOL58	0.016466348	5.000	18.651	1.400
SRCPARAM VOL59	0.016466348	5.000	18.651	1.400
SRCPARAM VOL60	0.016466348	5.000	18.651	1.400
SRCPARAM VOL61	0.016466348	5.000	18.651	1.400
SRCPARAM VOL62	0.016466348	5.000	18.651	1.400
SRCPARAM VOL63	0.016466348	5.000	18.651	1.400
URBANSRC ALL				

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

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT VOL2	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL3	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT VOL3	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL4	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT 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
** 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

[illegible]

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

[illegible]

[illegible]

EMISFACT VOL23	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL23	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL23	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL23	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL23	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL23	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL24	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL24	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL24	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL24	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL24	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL24	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL24	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL24	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL24	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL24	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL24	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL24	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL25	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL25	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL25	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL25	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL25	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL25	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL25	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL25	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL25	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL25	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL25	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL25	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL26	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL26	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL26	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL26	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL26	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL26	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL26	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL26	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL26	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL26	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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
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

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[illegible]

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 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

[illegible]

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    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
    SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
    INCLUDED "12630 Cons LST CO.rou"
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
    SURFFILE KRAL_V9_ADJU\KRAL_v9.SFC
    PROFFILE KRAL_V9_ADJU\KRAL_v9.PFL
    SURFDATA 3171 2012
    UAIRDATA 3190 2012
    PROFBASE 245.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
    RECTABLE ALLAVE 1ST
    RECTABLE 1 1ST
    RECTABLE 8 1ST
** Auto-Generated Plotfiles
    PLOTFILE 1 ALL 1ST "12630 CONS LST CO.AD\01H1GALL.PLT" 31
    PLOTFILE 8 ALL 1ST "12630 CONS LST CO.AD\08H1GALL.PLT" 32
    SUMMFILE "12630 Cons LST CO.sum"

```

OU FINISHED

**

** Project Parameters

** PROJCTN CoordinateSystemUTM

** DESCPTN UTM: Universal Transverse Mercator

** DATUM North American Datum 1983

** DTMRGN CONUS

** UNITS m

** ZONE 11

** ZONEINX 0

**

**

**

** AERMOD Input Produced by:

** AERMOD View Ver. 12.0.0

** Lakes Environmental Software Inc.

** Date: 6/10/2024

** File: C:\Users\adadabhoy\Desktop\AERMOD\12630 Green River Ranch\12630 Cons LST
CO\12630 Cons LST CO.ADI

**

**

**

** AERMOD Control Pathway

**

**

CO STARTING

TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\12630 Green River Ranch\12630 0

MODELOPT DFAULT CONC

AVERTIME 1 8

URBANOPT 2189641 Riverside_County

POLLUTID CO

FLAGPOLE 2.00

RUNORNOT RUN

ERRORFIL "12630 Cons LST CO.err"

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION VOL1	VOLUME	439309.748	3748858.376	161.250
LOCATION VOL2	VOLUME	439374.128	3748922.763	156.930
LOCATION VOL3	VOLUME	439455.801	3748932.328	154.240
LOCATION VOL4	VOLUME	439463.159	3748879.351	157.760
LOCATION VOL5	VOLUME	439391.051	3748849.183	160.760
LOCATION VOL6	VOLUME	439538.210	3748941.894	153.630
LOCATION VOL7	VOLUME	439791.324	3748855.070	157.420
LOCATION VOL8	VOLUME	439711.122	3748854.334	157.470
LOCATION VOL9	VOLUME	439633.128	3748853.598	157.760
LOCATION VOL10	VOLUME	439551.455	3748852.127	158.730
LOCATION VOL11	VOLUME	439793.532	3748775.604	163.250
LOCATION VOL12	VOLUME	439712.594	3748774.868	161.370
LOCATION VOL13	VOLUME	439632.392	3748774.132	162.310
LOCATION VOL14	VOLUME	439552.190	3748773.396	163.870
LOCATION VOL15	VOLUME	439471.989	3748772.661	162.240
LOCATION VOL16	VOLUME	439391.051	3748771.925	164.850
LOCATION VOL17	VOLUME	439310.849	3748769.717	165.560
LOCATION VOL18	VOLUME	439121.750	3748688.044	178.040
LOCATION VOL19	VOLUME	439202.687	3748688.044	176.120
LOCATION VOL20	VOLUME	439283.625	3748689.516	171.580
LOCATION VOL21	VOLUME	439365.298	3748690.251	170.660
LOCATION VOL22	VOLUME	439446.972	3748692.459	169.250
LOCATION VOL23	VOLUME	439528.645	3748693.930	171.250
LOCATION VOL24	VOLUME	439610.318	3748694.666	167.770
LOCATION VOL25	VOLUME	439691.992	3748693.195	166.370
LOCATION VOL26	VOLUME	439772.929	3748693.195	175.080
LOCATION VOL27	VOLUME	439822.963	3748612.993	188.660
LOCATION VOL28	VOLUME	439743.497	3748613.729	173.330
LOCATION VOL29	VOLUME	439662.560	3748612.993	177.500
LOCATION VOL30	VOLUME	439583.094	3748613.729	177.610
LOCATION VOL31	VOLUME	439502.156	3748613.729	180.210
LOCATION VOL32	VOLUME	439421.219	3748612.993	175.050
LOCATION VOL33	VOLUME	439341.753	3748613.729	180.220
LOCATION VOL34	VOLUME	439260.815	3748613.729	185.530
LOCATION VOL35	VOLUME	439180.613	3748611.521	196.860
LOCATION VOL36	VOLUME	439132.787	3748609.314	188.370
LOCATION VOL37	VOLUME	439132.051	3748527.640	198.180
LOCATION VOL38	VOLUME	439212.988	3748528.376	207.120
LOCATION VOL39	VOLUME	439291.719	3748530.584	210.020
LOCATION VOL40	VOLUME	439372.656	3748531.319	192.510
LOCATION VOL41	VOLUME	439453.594	3748530.584	191.060
LOCATION VOL42	VOLUME	439535.267	3748532.791	202.180
LOCATION VOL43	VOLUME	439616.205	3748533.527	177.120
LOCATION VOL44	VOLUME	439697.142	3748532.791	199.900
LOCATION VOL45	VOLUME	439778.080	3748534.998	179.030
LOCATION VOL46	VOLUME	439821.492	3748532.055	188.360
LOCATION VOL48	VOLUME	439213.724	3748448.174	212.290
LOCATION VOL49	VOLUME	439293.926	3748449.646	227.840
LOCATION VOL50	VOLUME	439373.392	3748451.118	194.220
LOCATION VOL51	VOLUME	439452.858	3748449.646	203.050

LOCATION VOL52	VOLUME	439534.531	3748451.118	218.960
LOCATION VOL53	VOLUME	439614.733	3748453.325	186.120
LOCATION VOL54	VOLUME	439696.407	3748454.797	204.900
LOCATION VOL55	VOLUME	439780.287	3748453.325	199.550
LOCATION VOL58	VOLUME	439290.247	3748369.444	229.260
LOCATION VOL59	VOLUME	439370.449	3748369.444	199.150
LOCATION VOL60	VOLUME	439451.386	3748370.916	231.160
LOCATION VOL61	VOLUME	439533.796	3748370.916	220.080
LOCATION VOL62	VOLUME	439613.997	3748373.123	193.690
LOCATION VOL63	VOLUME	439693.463	3748374.595	208.120

** Source Parameters **

SRCPARAM VOL1	0.016466348	5.000	18.651	1.400
SRCPARAM VOL2	0.016466348	5.000	18.651	1.400
SRCPARAM VOL3	0.016466348	5.000	18.651	1.400
SRCPARAM VOL4	0.016466348	5.000	18.651	1.400
SRCPARAM VOL5	0.016466348	5.000	18.651	1.400
SRCPARAM VOL6	0.016466348	5.000	18.651	1.400
SRCPARAM VOL7	0.016466348	5.000	18.651	1.400
SRCPARAM VOL8	0.016466348	5.000	18.651	1.400
SRCPARAM VOL9	0.016466348	5.000	18.651	1.400
SRCPARAM VOL10	0.016466348	5.000	18.651	1.400
SRCPARAM VOL11	0.016466348	5.000	18.651	1.400
SRCPARAM VOL12	0.016466348	5.000	18.651	1.400
SRCPARAM VOL13	0.016466348	5.000	18.651	1.400
SRCPARAM VOL14	0.016466348	5.000	18.651	1.400
SRCPARAM VOL15	0.016466348	5.000	18.651	1.400
SRCPARAM VOL16	0.016466348	5.000	18.651	1.400
SRCPARAM VOL17	0.016466348	5.000	18.651	1.400
SRCPARAM VOL18	0.016466348	5.000	18.651	1.400
SRCPARAM VOL19	0.016466348	5.000	18.651	1.400
SRCPARAM VOL20	0.016466348	5.000	18.651	1.400
SRCPARAM VOL21	0.016466348	5.000	18.651	1.400
SRCPARAM VOL22	0.016466348	5.000	18.651	1.400
SRCPARAM VOL23	0.016466348	5.000	18.651	1.400
SRCPARAM VOL24	0.016466348	5.000	18.651	1.400
SRCPARAM VOL25	0.016466348	5.000	18.651	1.400
SRCPARAM VOL26	0.016466348	5.000	18.651	1.400
SRCPARAM VOL27	0.016466348	5.000	18.651	1.400
SRCPARAM VOL28	0.016466348	5.000	18.651	1.400
SRCPARAM VOL29	0.016466348	5.000	18.651	1.400
SRCPARAM VOL30	0.016466348	5.000	18.651	1.400
SRCPARAM VOL31	0.016466348	5.000	18.651	1.400
SRCPARAM VOL32	0.016466348	5.000	18.651	1.400
SRCPARAM VOL33	0.016466348	5.000	18.651	1.400
SRCPARAM VOL34	0.016466348	5.000	18.651	1.400
SRCPARAM VOL35	0.016466348	5.000	18.651	1.400
SRCPARAM VOL36	0.016466348	5.000	18.651	1.400
SRCPARAM VOL37	0.016466348	5.000	18.651	1.400
SRCPARAM VOL38	0.016466348	5.000	18.651	1.400
SRCPARAM VOL39	0.016466348	5.000	18.651	1.400

SRCPARAM VOL40	0.016466348	5.000	18.651	1.400
SRCPARAM VOL41	0.016466348	5.000	18.651	1.400
SRCPARAM VOL42	0.016466348	5.000	18.651	1.400
SRCPARAM VOL43	0.016466348	5.000	18.651	1.400
SRCPARAM VOL44	0.016466348	5.000	18.651	1.400
SRCPARAM VOL45	0.016466348	5.000	18.651	1.400
SRCPARAM VOL46	0.016466348	5.000	18.651	1.400
SRCPARAM VOL48	0.016466348	5.000	18.651	1.400
SRCPARAM VOL49	0.016466348	5.000	18.651	1.400
SRCPARAM VOL50	0.016466348	5.000	18.651	1.400
SRCPARAM VOL51	0.016466348	5.000	18.651	1.400
SRCPARAM VOL52	0.016466348	5.000	18.651	1.400
SRCPARAM VOL53	0.016466348	5.000	18.651	1.400
SRCPARAM VOL54	0.016466348	5.000	18.651	1.400
SRCPARAM VOL55	0.016466348	5.000	18.651	1.400
SRCPARAM VOL58	0.016466348	5.000	18.651	1.400
SRCPARAM VOL59	0.016466348	5.000	18.651	1.400
SRCPARAM VOL60	0.016466348	5.000	18.651	1.400
SRCPARAM VOL61	0.016466348	5.000	18.651	1.400
SRCPARAM VOL62	0.016466348	5.000	18.651	1.400
SRCPARAM VOL63	0.016466348	5.000	18.651	1.400
URBANSRC ALL				

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

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT VOL2	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

[illegible]

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** 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
** 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

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** 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

```

[illegible]

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

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

```

** 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
SRCGROUP ALL

```

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "12630 Cons LST CO.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE KRAL_V9_ADJU\KRAL_v9.SFC

PROFFILE KRAL_V9_ADJU\KRAL_v9.PFL

SURFDATA 3171 2012

UAIRDATA 3190 2012

PROFBASE 245.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

RECTABLE 8 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST "12630 CONS LST CO.AD\01H1GALL.PLT" 31

PLOTFILE 8 ALL 1ST "12630 CONS LST CO.AD\08H1GALL.PLT" 32

SUMMFILE "12630 Cons LST CO.sum"

OU FINISHED

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

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

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

***** FATAL ERROR MESSAGES *****

*** NONE ***

***** WARNING MESSAGES *****

ME W186 1085 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
 0.50

ME W187 1085 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24

*** AERMET - VERSION 16216 *** ***
 *** 15:57:43

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

*** MODEL SETUP OPTIONS SUMMARY

- - - - -

**** Model Options Selected:**

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 60 Source(s),
for Total of 1 Urban Area(s):
- Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: CO

****Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR**

****This Run Includes: 60 Source(s); 1 Source Group(s); and 121 Receptor(s)**

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 60 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

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

****The AERMET Input Meteorological Data Version Date: 16216**

****Output Options Selected:**

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE

Keyword)

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

Hours

b for Both Calm
and Missing Hours

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

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

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: 12630 Cons LST CO.err

**File for Summary of Results: 12630 Cons LST CO.sum

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
*** 15:57:43

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

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE	AIRCRAFT		ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY					
ID		CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

VOL1		0	0.16466E-01	439309.7	3748858.4	161.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL2		0	0.16466E-01	439374.1	3748922.8	156.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL3		0	0.16466E-01	439455.8	3748932.3	154.2	5.00	18.65

1.40	YES	HRDOW	NO					
VOL4		0	0.16466E-01	439463.2	3748879.4	157.8	5.00	18.65
1.40	YES	HRDOW	NO					
VOL5		0	0.16466E-01	439391.1	3748849.2	160.8	5.00	18.65
1.40	YES	HRDOW	NO					
VOL6		0	0.16466E-01	439538.2	3748941.9	153.6	5.00	18.65
1.40	YES	HRDOW	NO					
VOL7		0	0.16466E-01	439791.3	3748855.1	157.4	5.00	18.65
1.40	YES	HRDOW	NO					
VOL8		0	0.16466E-01	439711.1	3748854.3	157.5	5.00	18.65
1.40	YES	HRDOW	NO					
VOL9		0	0.16466E-01	439633.1	3748853.6	157.8	5.00	18.65
1.40	YES	HRDOW	NO					
VOL10		0	0.16466E-01	439551.5	3748852.1	158.7	5.00	18.65
1.40	YES	HRDOW	NO					
VOL11		0	0.16466E-01	439793.5	3748775.6	163.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL12		0	0.16466E-01	439712.6	3748774.9	161.4	5.00	18.65
1.40	YES	HRDOW	NO					
VOL13		0	0.16466E-01	439632.4	3748774.1	162.3	5.00	18.65
1.40	YES	HRDOW	NO					
VOL14		0	0.16466E-01	439552.2	3748773.4	163.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL15		0	0.16466E-01	439472.0	3748772.7	162.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL16		0	0.16466E-01	439391.1	3748771.9	164.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL17		0	0.16466E-01	439310.8	3748769.7	165.6	5.00	18.65
1.40	YES	HRDOW	NO					
VOL18		0	0.16466E-01	439121.8	3748688.0	178.0	5.00	18.65
1.40	YES	HRDOW	NO					
VOL19		0	0.16466E-01	439202.7	3748688.0	176.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL20		0	0.16466E-01	439283.6	3748689.5	171.6	5.00	18.65
1.40	YES	HRDOW	NO					
VOL21		0	0.16466E-01	439365.3	3748690.3	170.7	5.00	18.65
1.40	YES	HRDOW	NO					
VOL22		0	0.16466E-01	439447.0	3748692.5	169.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL23		0	0.16466E-01	439528.6	3748693.9	171.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL24		0	0.16466E-01	439610.3	3748694.7	167.8	5.00	18.65
1.40	YES	HRDOW	NO					
VOL25		0	0.16466E-01	439692.0	3748693.2	166.4	5.00	18.65
1.40	YES	HRDOW	NO					
VOL26		0	0.16466E-01	439772.9	3748693.2	175.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL27		0	0.16466E-01	439823.0	3748613.0	188.7	5.00	18.65
1.40	YES	HRDOW	NO					
VOL28		0	0.16466E-01	439743.5	3748613.7	173.3	5.00	18.65

1.40	YES	HRDOW	NO					
VOL29		0	0.16466E-01	439662.6	3748613.0	177.5	5.00	18.65
1.40	YES	HRDOW	NO					
VOL30		0	0.16466E-01	439583.1	3748613.7	177.6	5.00	18.65
1.40	YES	HRDOW	NO					
VOL31		0	0.16466E-01	439502.2	3748613.7	180.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL32		0	0.16466E-01	439421.2	3748613.0	175.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL33		0	0.16466E-01	439341.8	3748613.7	180.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL34		0	0.16466E-01	439260.8	3748613.7	185.5	5.00	18.65
1.40	YES	HRDOW	NO					
VOL35		0	0.16466E-01	439180.6	3748611.5	196.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL36		0	0.16466E-01	439132.8	3748609.3	188.4	5.00	18.65
1.40	YES	HRDOW	NO					
VOL37		0	0.16466E-01	439132.1	3748527.6	198.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL38		0	0.16466E-01	439213.0	3748528.4	207.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL39		0	0.16466E-01	439291.7	3748530.6	210.0	5.00	18.65
1.40	YES	HRDOW	NO					
VOL40		0	0.16466E-01	439372.7	3748531.3	192.5	5.00	18.65

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

*** VOLUME SOURCE DATA ***

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

VOL41		0	0.16466E-01	439453.6	3748530.6	191.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL42		0	0.16466E-01	439535.3	3748532.8	202.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL43		0	0.16466E-01	439616.2	3748533.5	177.1	5.00	18.65

1.40	YES	HRDOW	NO					
VOL44		0	0.16466E-01	439697.1	3748532.8	199.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL45		0	0.16466E-01	439778.1	3748535.0	179.0	5.00	18.65
1.40	YES	HRDOW	NO					
VOL46		0	0.16466E-01	439821.5	3748532.1	188.4	5.00	18.65
1.40	YES	HRDOW	NO					
VOL48		0	0.16466E-01	439213.7	3748448.2	212.3	5.00	18.65
1.40	YES	HRDOW	NO					
VOL49		0	0.16466E-01	439293.9	3748449.6	227.8	5.00	18.65
1.40	YES	HRDOW	NO					
VOL50		0	0.16466E-01	439373.4	3748451.1	194.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL51		0	0.16466E-01	439452.9	3748449.6	203.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL52		0	0.16466E-01	439534.5	3748451.1	219.0	5.00	18.65
1.40	YES	HRDOW	NO					
VOL53		0	0.16466E-01	439614.7	3748453.3	186.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL54		0	0.16466E-01	439696.4	3748454.8	204.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL55		0	0.16466E-01	439780.3	3748453.3	199.6	5.00	18.65
1.40	YES	HRDOW	NO					
VOL58		0	0.16466E-01	439290.2	3748369.4	229.3	5.00	18.65
1.40	YES	HRDOW	NO					
VOL59		0	0.16466E-01	439370.4	3748369.4	199.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL60		0	0.16466E-01	439451.4	3748370.9	231.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL61		0	0.16466E-01	439533.8	3748370.9	220.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL62		0	0.16466E-01	439614.0	3748373.1	193.7	5.00	18.65
1.40	YES	HRDOW	NO					
VOL63		0	0.16466E-01	439693.5	3748374.6	208.1	5.00	18.65
1.40	YES	HRDOW	NO					

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

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

ALL	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	,
VOL6	, VOL7	, VOL8	,			
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	,
VOL14	, VOL15	, VOL16	,			
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	,
VOL22	, VOL23	, VOL24	,			
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	,
VOL30	, VOL31	, VOL32	,			
	VOL33	, VOL34	, VOL35	, VOL36	, VOL37	,
VOL38	, VOL39	, VOL40	,			
	VOL41	, VOL42	, VOL43	, VOL44	, VOL45	,
VOL46	, VOL48	, VOL49	,			
	VOL50	, VOL51	, VOL52	, VOL53	, VOL54	,
VOL55	, VOL58	, VOL59	,			

	VOL60	, VOL61	, VOL62	, VOL63	,
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs				
-----	-----	-----				
	2189641.	VOL1	, VOL2	, VOL3	, VOL4	,
VOL5	, VOL6	, VOL7	,			
VOL8	,					
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	,
VOL14	, VOL15	, VOL16	,			
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	,
VOL22	, VOL23	, VOL24	,			
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	,

VOL30 , VOL31 , VOL32 ,

VOL33 , VOL34 , VOL35 , VOL36 , VOL37 ,

VOL38 , VOL39 , VOL40 ,

VOL41 , VOL42 , VOL43 , VOL44 , VOL45 ,

VOL46 , VOL48 , VOL49 ,

VOL50 , VOL51 , VOL52 , VOL53 , VOL54 ,

VOL55 , VOL58 , VOL59 ,

VOL60 , VOL61 , VOL62 , VOL63 ,

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

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

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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

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

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

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

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SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -

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

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14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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

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

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

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

▲ *** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24

*** AERMET - VERSION 16216 ***

*** 15:57:43

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

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

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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 *** 15:57:43

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

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

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMET - VERSION 16216 ***

*** 15:57:43

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

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

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :

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

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*** 15:57:43

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

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

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ U*

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 = SATURDAY

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :

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				

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

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

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

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

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

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

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

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

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

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01

14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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


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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
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Green River Ranch\12630 0 *** 06/10/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
    1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
    9 .1000E+01  10 .1000E+01  11 .1000E+01  12 .1000E+01  13 .1000E+01
14 .1000E+01  15 .1000E+01  16 .1000E+01
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00
DAY OF WEEK = SATURDAY
    1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
    9 .0000E+00  10 .0000E+00  11 .0000E+00  12 .0000E+00  13 .0000E+00
14 .0000E+00  15 .0000E+00  16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00
DAY OF WEEK = SUNDAY
    1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
    9 .0000E+00  10 .0000E+00  11 .0000E+00  12 .0000E+00  13 .0000E+00
14 .0000E+00  15 .0000E+00  16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

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

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

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

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

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*** 15:57:43

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

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

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

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

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** 15:57:43

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

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

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

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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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
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
*** 15:57:43

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

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

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SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

DAY OF WEEK = SUNDAY

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

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 *** 15:57:43

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

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

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
 - - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
 14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 15:57:43

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

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

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

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

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

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

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*** 15:57:43

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

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

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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

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

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

DAY OF WEEK = SUNDAY

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

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 *** 15:57:43

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

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

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
 - - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -

```

- - - - -
                                DAY OF WEEK = WEEKDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7 .0000E+00    8 .0000E+00
      9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14  .1000E+01   15 .1000E+01   16 .1000E+01
      17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22  .0000E+00  23 .0000E+00  24 .0000E+00
                                DAY OF WEEK = SATURDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7 .0000E+00    8 .0000E+00
      9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14  .0000E+00   15 .0000E+00   16 .0000E+00
      17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22  .0000E+00  23 .0000E+00  24 .0000E+00
                                DAY OF WEEK = SUNDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7 .0000E+00    8 .0000E+00
      9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14  .0000E+00   15 .0000E+00   16 .0000E+00
      17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22  .0000E+00  23 .0000E+00  24 .0000E+00
▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

```

SOURCE ID = 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

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL35				; SOURCE TYPE = VOLUME					
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				
- - - - -									
- - - - -									

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
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*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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 Green River Ranch\12630 0 *** 06/10/24
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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

```

6  .0000E+00  7  .0000E+00  8  .0000E+00
   9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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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
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

```

SOURCE ID = VOL41          ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
      9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
- - - - - DAY OF WEEK = SATURDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
      9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
- - - - - DAY OF WEEK = SUNDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
      9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
*** 15:57:43

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

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

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SOURCE ID = 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

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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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*** AERMET - VERSION 16216 ***

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

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

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

```

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
*** 15:57:43

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

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

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :

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

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

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

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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 *** AERMET - VERSION 16216 ***

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

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

SOURCE ID = VOL48 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

22 .0000E+00 23 .0000E+00 24 .0000E+00
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 Green River Ranch\12630 0 *** 06/10/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL49 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
 14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 15:57:43

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

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

SOURCE ID = VOL50 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL51 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = 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

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

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

SOURCE ID = VOL54 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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SOURCE ID = VOL55 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -

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

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14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL61 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL62 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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Green River Ranch\12630 0 *** 06/10/24

*** AERMET - VERSION 16216 ***

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

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

SOURCE ID = VOL63 ; SOURCE TYPE = VOLUME :

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

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 Green River Ranch\12630 0 *** 06/10/24
 *** AERMET - VERSION 16216 *** ***
 *** 15:57:43

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

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

(439260.0, 3749072.6, 149.6, 1142.1, 2.0);	(439277.6, 3749070.7, 149.3, 1142.1, 2.0);
(439298.4, 3749082.1, 148.2, 1142.1, 2.0);	(439312.1, 3749091.1, 147.4, 1142.1, 2.0);
(439321.9, 3749098.5, 146.8, 1142.1, 2.0);	(439240.7, 3749074.7, 149.8, 1142.1, 2.0);

(439217.6, 3749084.1, 149.2, 1142.1, 2.0);	(439205.3,
3749089.8, 148.8, 1142.1, 2.0);	
(439192.1, 3749096.3, 148.3, 1142.1, 2.0);	(439179.5,
3749103.1, 147.9, 1142.1, 2.0);	
(439169.9, 3749108.1, 147.6, 1142.1, 2.0);	(439157.1,
3749113.7, 147.2, 1142.1, 2.0);	
(439137.6, 3749079.0, 150.0, 1142.1, 2.0);	(439113.3,
3749079.2, 150.5, 1142.1, 2.0);	
(439099.8, 3749078.8, 150.5, 1142.1, 2.0);	(439085.4,
3749079.0, 150.6, 1142.1, 2.0);	
(439071.9, 3749078.8, 150.9, 1142.1, 2.0);	(439045.6,
3749077.6, 152.1, 1142.1, 2.0);	
(438992.4, 3749075.4, 153.1, 1142.1, 2.0);	(438978.2,
3749072.7, 153.3, 1142.1, 2.0);	
(438963.0, 3749071.1, 153.5, 1142.1, 2.0);	(438947.1,
3749069.1, 153.6, 1142.1, 2.0);	
(438932.4, 3749067.4, 153.6, 1142.1, 2.0);	(438917.5,
3749065.3, 153.7, 1142.1, 2.0);	
(438902.8, 3749063.1, 153.6, 1142.1, 2.0);	(438888.1,
3749060.2, 153.2, 1142.1, 2.0);	
(438870.8, 3749057.6, 153.0, 1142.1, 2.0);	(438854.9,
3749058.0, 153.0, 1142.1, 2.0);	
(438838.0, 3749060.2, 153.3, 1142.1, 2.0);	(438779.5,
3749017.8, 155.3, 1142.1, 2.0);	
(438784.5, 3749046.0, 155.3, 1142.1, 2.0);	(438762.9,
3749004.6, 155.4, 1142.1, 2.0);	
(438815.8, 3749066.2, 153.8, 1142.1, 2.0);	(439042.5,
3748895.5, 160.7, 1142.1, 2.0);	
(439038.5, 3748865.8, 163.8, 1142.1, 2.0);	(438999.1,
3748811.4, 169.3, 1142.1, 2.0);	
(438921.2, 3748750.7, 169.3, 1142.1, 2.0);	(438794.0,
3748719.9, 136.3, 1142.1, 2.0);	
(438730.9, 3748880.7, 139.1, 1142.1, 2.0);	(438748.5,
3748863.0, 139.0, 1142.1, 2.0);	
(438764.6, 3748843.8, 139.2, 1142.1, 2.0);	(438785.5,
3748816.7, 136.1, 1142.1, 2.0);	
(438805.1, 3748788.0, 136.7, 1142.1, 2.0);	(438803.2,
3748750.8, 136.5, 1142.1, 2.0);	
(438788.4, 3748703.2, 136.7, 1142.1, 2.0);	(438780.5,
3748674.0, 136.6, 1142.1, 2.0);	
(438768.9, 3748645.4, 136.5, 1142.1, 2.0);	(438751.6,
3748620.5, 135.7, 1142.1, 2.0);	
(438730.3, 3748595.8, 135.0, 1142.1, 2.0);	(438712.2,
3748572.0, 133.7, 1142.1, 2.0);	
(438693.5, 3748548.8, 131.9, 1142.1, 2.0);	(438676.8,
3748525.0, 131.1, 1142.1, 2.0);	
(438655.8, 3748497.8, 131.0, 1142.1, 2.0);	(438639.1,
3748475.7, 131.4, 1142.1, 2.0);	
(438619.5, 3748452.5, 131.5, 1142.1, 2.0);	(438600.3,
3748429.8, 131.6, 1142.1, 2.0);	

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( 438580.7, 3748404.6, 131.1, 1142.1, 2.0); ( 438561.4,
3748384.2, 131.1, 1142.1, 2.0);
( 438540.8, 3748363.8, 131.1, 1142.1, 2.0); ( 438520.9,
3748341.1, 131.1, 1142.1, 2.0);
( 438500.0, 3748320.4, 130.5, 1142.1, 2.0); ( 438735.7,
3748992.6, 156.9, 1142.1, 2.0);
( 438675.3, 3748985.1, 148.4, 1142.1, 2.0); ( 439331.0,
3749107.6, 146.2, 1142.1, 2.0);
( 439341.9, 3749117.1, 145.5, 1142.1, 2.0); ( 439353.6,
3749127.3, 144.5, 1142.1, 2.0);
( 439366.1, 3749137.4, 143.4, 1142.1, 2.0); ( 439375.7,
3749143.9, 142.6, 1142.1, 2.0);
( 439388.4, 3749153.5, 141.3, 1142.1, 2.0); ( 439400.5,
3749162.1, 140.2, 1142.1, 2.0);
( 439413.6, 3749169.9, 139.5, 1142.1, 2.0); ( 439425.7,
3749178.1, 138.9, 1142.1, 2.0);
( 439449.6, 3749192.9, 138.5, 1142.1, 2.0); ( 439473.0,
3749214.4, 138.5, 1142.1, 2.0);
( 439800.8, 3749040.5, 147.5, 1142.1, 2.0); ( 439873.8,
3748887.4, 156.3, 1142.1, 2.0);
( 439887.6, 3748802.5, 161.9, 1142.1, 2.0); ( 440077.8,
3748740.2, 180.5, 1142.1, 2.0);
( 440019.2, 3748682.1, 178.2, 1142.1, 2.0); ( 439929.6,
3748601.8, 215.7, 1142.1, 2.0);
( 439955.0, 3748605.9, 216.9, 1142.1, 2.0); ( 439983.2,
3748614.2, 213.8, 1142.1, 2.0);
( 440006.2, 3748617.4, 211.2, 1142.1, 2.0); ( 440071.3,
3748624.4, 201.1, 1142.1, 2.0);
( 440087.9, 3748639.6, 190.9, 1142.1, 2.0); ( 440117.0,
3748767.0, 190.4, 1142.1, 2.0);
( 439940.2, 3748575.0, 215.8, 1142.1, 2.0); ( 439996.1,
3748506.2, 215.9, 1142.1, 2.0);
( 440023.3, 3748475.8, 213.2, 1142.1, 2.0); ( 440043.2,
3748463.8, 217.3, 1142.1, 2.0);

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^ *** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 ***
*** 15:57:43

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

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

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( 440054.7, 3748448.5, 218.5, 1142.1, 2.0); ( 440063.5,
3748429.6, 219.1, 1142.1, 2.0);
( 440072.3, 3748414.8, 221.0, 1142.1, 2.0); ( 440083.8,
3748396.4, 222.7, 1142.1, 2.0);

```

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^ *** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 ***          06/10/24
*** AERMET - VERSION 16216 ***      ***
***                                  ***
***                                  15:57:43

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

PROCESSING ***

(1=YES; 0=NO)

[illegible]

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

First hour of profile data

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

F indicates top of profile (=1) or below (=0)

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24

*** AERMET - VERSION 16216 *** ***

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

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2
, VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10
, VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18
, VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26
, VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

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

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
439259.97	3749072.65	8.70437	(14021809)	439277.61
3749070.69	9.41795	(14021809)		
439298.40	3749082.06	9.74625	(14021809)	439312.13
3749091.08	9.78212	(14021809)		
439321.93	3749098.54	9.70147	(14021809)	439240.72
3749074.67	7.96292	(14021809)		
439217.60	3749084.06	7.03249	(14021809)	439205.31
3749089.84	6.58601	(14021809)		
439192.07	3749096.35	6.14637	(14021809)	439179.54
3749103.09	5.87211	(13021809)		
439169.91	3749108.15	5.70672	(13021809)	439157.14
3749113.69	5.51853	(13021809)		
439137.63	3749079.00	5.80147	(13021809)	439113.31
3749079.24	5.50478	(13021809)		
439099.82	3749078.76	5.33780	(13021809)	439085.37
3749079.00	5.15348	(13021809)		
439071.88	3749078.76	4.98859	(13021809)	439045.63
3749077.56	4.68001	(13021809)		
438992.40	3749075.39	4.13914	(15012916)	438978.19
3749072.74	4.06810	(16120116)		

438963.01	3749071.06	3.99407	(16120116)	438947.12
3749069.13	3.91956	(16120116)		
438932.42	3749067.44	3.85172	(16120116)	438917.49
3749065.27	3.78831	(16120116)		
438902.80	3749063.11	3.72800	(16120116)	438888.11
3749060.22	3.67405	(16120116)		
438870.76	3749057.57	3.60748	(16120116)	438854.87
3749058.05	3.53188	(16120116)		
438838.01	3749060.22	3.44606	(16120116)	438779.48
3749017.83	3.39475	(16120116)		
438784.54	3749046.01	3.29328	(16120116)	438762.86
3749004.58	3.36508	(16120116)		
438815.85	3749066.24	3.32182	(16120116)	439042.50
3748895.54	6.27147	(13112716)		
439038.53	3748865.79	6.60746	(13112716)	438999.14
3748811.38	7.47924	(16120116)		
438921.22	3748750.74	7.61185	(13112716)	438794.05
3748719.90	4.83069	(15021709)		
438730.91	3748880.70	3.72444	(13112716)	438748.55
3748863.05	3.94061	(13112716)		
438764.63	3748843.83	4.17270	(13112716)	438785.55
3748816.73	4.45440	(13112716)		
438805.14	3748787.97	4.80551	(13112716)	438803.16
3748750.85	4.91122	(13112716)		
438788.42	3748703.24	4.97040	(15021709)	438780.49
3748674.05	5.15332	(15021709)		
438768.87	3748645.43	5.17912	(15021709)	438751.58
3748620.50	5.02414	(15021709)		
438730.33	3748595.84	4.76867	(15021709)	438712.19
3748572.04	4.50313	(15021709)		
438693.49	3748548.80	4.20492	(15021709)	438676.77
3748525.00	4.00082	(12012315)		
438655.80	3748497.80	3.84161	(12012315)	438639.08
3748475.69	3.69589	(12012315)		
438619.53	3748452.46	3.51412	(12012315)	438600.26
3748429.79	3.32707	(12012315)		
438580.71	3748404.57	3.11513	(12012315)	438561.44
3748384.17	2.93095	(12012315)		
438540.75	3748363.76	2.74456	(12012315)	438520.92
3748341.09	2.54879	(12012315)		
438499.95	3748320.41	2.47802	(12121315)	438735.66
3748992.65	3.26284	(16120116)		
438675.26	3748985.08	2.89973	(16120116)	439331.05
3749107.64	9.49995	(14021809)		
439341.93	3749117.09	9.26893	(14021809)	439353.60
3749127.33	8.96857	(14021809)		
439366.09	3749137.37	8.64891	(14021809)	439375.72
3749143.92	8.42526	(14021809)		
439388.41	3749153.54	8.06793	(14021809)	439400.49
3749162.14	7.73174	(14021809)		


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      439413.60    3749169.92      7.40462 (14021809)      439425.68
3749178.11      7.06123 (14021809)
      439449.64    3749192.86      6.68084 (16010615)      439473.05
3749214.38      6.47716 (13112916)
      439800.83    3749040.52     18.23491 (13112916)      439873.79
3748887.43     22.43802 (13112916)
      439887.64    3748802.52     22.15074 (12121716)      440077.78
3748740.21     13.76519 (13121916)
      440019.17    3748682.06     14.71745 (13121916)      439929.64
3748601.76     18.38954 (13121916)
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 ***      06/10/24
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
      INCLUDING SOURCE(S): VOL1      , VOL2
, VOL3      , VOL4      , VOL5      ,
      VOL6      , VOL7      , VOL8      , VOL9      , VOL10
, VOL11     , VOL12     , VOL13     ,
      VOL14     , VOL15     , VOL16     , VOL17     , VOL18
, VOL19     , VOL20     , VOL21     ,
      VOL22     , VOL23     , VOL24     , VOL25     , VOL26
, VOL27     , VOL28     , . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS

```

      ** CONC OF CO      IN MICROGRAMS/M**3
      **
      X-COORD (M) Y-COORD (M)      CONC      (YYMMDDHH)      X-COORD (M)
Y-COORD (M)      CONC      (YYMMDDHH)
- - - - -
      439955.02    3748605.92     16.93295 (13121916)      439983.17
3748614.22     16.06333 (13121916)
      440006.24    3748617.45     15.64158 (13121916)      440071.32
3748624.38     14.92975 (13121916)
      440087.93    3748639.61     13.95025 (13121916)      440117.00
3748766.98     12.28250 (13121916)
      439940.25    3748575.00     18.34964 (13121916)      439996.09
3748506.23     16.61569 (13121916)
      440023.32    3748475.77     16.52279 (12121716)      440043.16
3748463.78     15.17560 (12121716)
      440054.70    3748448.55     14.70051 (12121716)      440063.47

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3748429.62	14.33860	(12121716)	
440072.29	3748414.84	13.76610	(12121716) 440083.83
3748396.38	13.14374	(12121716)	
440096.29	3748378.84	12.41857	(12121716) 440105.06
3748361.76	11.90533	(12121716)	
440106.91	3748342.84	11.62275	(12121716) 440120.75
3748318.84	10.60939	(12121716)	
440122.71	3748286.94	9.77912	(12121716) 440117.33
3748252.65	8.82018	(12121716)	
440121.30	3748218.07	7.47544	(12121716) 440128.10
3748298.00	9.89973	(12121716)	
440266.27	3748117.44	4.37767	(12121716) 440165.45
3747898.52	3.51833	(14120316)	
440191.34	3747915.00	3.62952	(14120316) 440206.64
3747939.32	3.45071	(14120316)	
440247.44	3747944.82	3.48141	(14120316) 440266.66
3747950.70	3.43502	(14120316)	
440283.14	3747959.73	3.34828	(14120316) 440300.01
3747969.14	3.20041	(14120316)	
440321.20	3747989.15	2.98549	(14120316) 440293.34
3748093.90	3.90486	(12121716)	
440300.01	3748071.14	3.31073	(12121716) 440307.86
3748048.39	2.88471	(14120316)	
440314.13	3748028.38	2.88506	(14120316) 440320.02
3748006.80	2.87350	(14120316)	
440335.28	3747569.25	2.18653	(14120316) 440507.19
3748971.21	3.56651	(14111116)	
439956.03	3749044.31	12.54576	(13112916) 439952.87
3748770.03	16.43362	(12121716)	
438867.06	3748863.17	4.96946	(13112716)

^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/10/24
 *** AERMET - VERSION 16216 *** ***
 *** 15:57:43

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

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): VOL1 , VOL2
 , VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10
 , VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18
 , VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26
 , VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

		** CONC OF CO		IN MICROGRAMS/M**3
		**		
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

439259.97	3749072.65	3.90564	(16010616)	439277.61
3749070.69	4.09711 (16010616)			
439298.40	3749082.06	4.00266	(16010616)	439312.13
3749091.08	3.87703 (16010616)			
439321.93	3749098.54	3.75075	(16010616)	439240.72
3749074.67	3.74950 (16010516)			
439217.60	3749084.06	3.46576	(16010516)	439205.31
3749089.84	3.31801 (16010516)			
439192.07	3749096.35	3.16646	(16010516)	439179.54
3749103.09	3.02703 (16010516)			
439169.91	3749108.15	2.92732	(16010516)	439157.14
3749113.69	2.81205 (16010516)			
439137.63	3749079.00	2.97023	(14121216)	439113.31
3749079.24	2.83681 (14121216)			
439099.82	3749078.76	2.76739	(14121216)	439085.37
3749079.00	2.68851 (14121216)			
439071.88	3749078.76	2.62242	(14121216)	439045.63
3749077.56	2.50675 (14121216)			
438992.40	3749075.39	2.29062	(14121216)	438978.19
3749072.74	2.24826 (14121216)			
438963.01	3749071.06	2.19952	(14121216)	438947.12
3749069.13	2.15069 (14121216)			
438932.42	3749067.44	2.10650	(14121216)	438917.49
3749065.27	2.06431 (14121216)			
438902.80	3749063.11	2.02275	(14121216)	438888.11
3749060.22	1.98256 (14121216)			
438870.76	3749057.57	1.93295	(14121216)	438854.87
3749058.05	1.88010 (14121216)			
438838.01	3749060.22	1.82157	(14121216)	438779.48
3749017.83	1.70644 (14121216)			
438784.54	3749046.01	1.68158	(14121216)	438762.86
3749004.58	1.65866 (14121216)			
438815.85	3749066.24	1.73910	(14121216)	439042.50
3748895.54	3.53869 (14121216)			
439038.53	3748865.79	3.81079	(14121216)	438999.14
3748811.38	4.30352 (14121216)			
438921.22	3748750.74	3.27134	(15112716)	438794.05
3748719.90	2.28567 (15112716)			
438730.91	3748880.70	1.42858	(14121216)	438748.55
3748863.05	1.49580 (14121216)			

438764.63	3748843.83	1.60538	(15112716)	438785.55
3748816.73	1.78674	(15112716)		
438805.14	3748787.97	2.01488	(15112716)	438803.16
3748750.85	2.20069	(15112716)		
438788.42	3748703.24	2.31141	(15112716)	438780.49
3748674.05	2.32812	(15112716)		
438768.87	3748645.43	2.27935	(15112716)	438751.58
3748620.50	2.16060	(15112716)		
438730.33	3748595.84	2.00545	(15112716)	438712.19
3748572.04	1.89565	(14121616)		
438693.49	3748548.80	1.80198	(14121616)	438676.77
3748525.00	1.71467	(14121616)		
438655.80	3748497.80	1.60505	(14121616)	438639.08
3748475.69	1.55725	(16122916)		
438619.53	3748452.46	1.51149	(16122916)	438600.26
3748429.79	1.46255	(16122916)		
438580.71	3748404.57	1.40866	(16122916)	438561.44
3748384.17	1.35414	(16122916)		
438540.75	3748363.76	1.29628	(16122916)	438520.92
3748341.09	1.24108	(16122916)		
438499.95	3748320.41	1.18361	(16122916)	438735.66
3748992.65	1.56428	(14121216)		
438675.26	3748985.08	1.30824	(14121216)	439331.05
3749107.64	3.58154	(16010616)		
439341.93	3749117.09	3.40306	(16010616)	439353.60
3749127.33	3.20187	(16010616)		
439366.09	3749137.37	3.00643	(16010616)	439375.72
3749143.92	2.87807	(16010616)		
439388.41	3749153.54	2.69238	(16010616)	439400.49
3749162.14	2.53289	(16010616)		
439413.60	3749169.92	2.39196	(16010616)	439425.68
3749178.11	2.25766	(16010616)		
439449.64	3749192.86	2.11674	(13121916)	439473.05
3749214.38	1.95272	(13121916)		
439800.83	3749040.52	3.83999	(13100916)	439873.79
3748887.43	8.48976	(14111116)		
439887.64	3748802.52	9.51490	(14111116)	440077.78
3748740.21	3.88998	(15052216)		
440019.17	3748682.06	4.98294	(12050116)	439929.64
3748601.76	6.50212	(14111116)		

▲ *** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/10/24

*** AERMET - VERSION 16216 ***

*** 15:57:43

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

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

			INCLUDING SOURCE(S):	VOL1	, VOL2
, VOL3	, VOL4	, VOL5	,		
	VOL6	, VOL7	, VOL8	, VOL9	, VOL10
, VOL11	, VOL12	, VOL13	,		
	VOL14	, VOL15	, VOL16	, VOL17	, VOL18
, VOL19	, VOL20	, VOL21	,		
	VOL22	, VOL23	, VOL24	, VOL25	, VOL26
, VOL27	, VOL28	, . . .	,		

*** DISCRETE CARTESIAN RECEPTOR POINTS

		** CONC OF CO	IN MICROGRAMS/M**3	
		**		
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
439955.02	3748605.92	5.59583	(14111116)	439983.17
3748614.22	5.12357 (12050116)			
440006.24	3748617.45	4.83998	(12050116)	440071.32
3748624.38	4.21365 (12050116)			
440087.93	3748639.61	4.12682	(12050116)	440117.00
3748766.98	3.27637 (15052216)			
439940.25	3748575.00	6.12974	(14111116)	439996.09
3748506.23	5.29468 (12042316)			
440023.32	3748475.77	4.86450	(12042316)	440043.16
3748463.78	4.38443 (12042316)			
440054.70	3748448.55	4.10786	(12042316)	440063.47
3748429.62	3.84374 (12042316)			
440072.29	3748414.84	3.58560	(12042316)	440083.83
3748396.38	3.28370 (12042316)			
440096.29	3748378.84	2.98029	(12042316)	440105.06
3748361.76	2.75594 (12113016)			
440106.91	3748342.84	2.65799	(12113016)	440120.75
3748318.84	2.40402 (12113016)			
440122.71	3748286.94	2.19580	(12113016)	440117.33
3748252.65	1.98167 (12113016)			
440121.30	3748218.07	1.70722	(12113016)	440128.10
3748298.00	2.23036 (12113016)			
440266.27	3748117.44	1.09597	(15092116)	440165.45
3747898.52	0.84952 (14120316)			
440191.34	3747915.00	0.87425	(14120316)	440206.64
3747939.32	0.86774 (14120316)			
440247.44	3747944.82	0.86783	(14120316)	440266.66
3747950.70	0.86248 (14120316)			
440283.14	3747959.73	0.85484	(14120316)	440300.01
3747969.14	0.83873 (14120316)			
440321.20	3747989.15	0.82189	(14120316)	440293.34

3748093.90	1.01379	(15092116)	
440300.01	3748071.14	0.93837	(12112816) 440307.86
3748048.39	0.89916	(12112816)	
440314.13	3748028.38	0.86698	(12112816) 440320.02
3748006.80	0.83318	(12112816)	
440335.28	3747569.25	0.49219	(14120316) 440507.19
3748971.21	1.40664	(13112116)	
439956.03	3749044.31	2.80871	(13100916) 439952.87
3748770.03	6.24403	(14111116)	
438867.06	3748863.17	2.49558	(14121216)

^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/10/24
 *** AERMET - VERSION 16216 *** ***
 *** 15:57:43

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

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

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

**

		DATE		
GROUP ID	NETWORK			
(XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC	(YYMMDDHH)		RECEPTOR
	OF TYPE	GRID-ID		
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -

ALL HIGH 1ST HIGH VALUE IS 22.43802 ON 13112916: AT (439873.79,
 3748887.43, 156.27, 1142.09, 2.00) DC

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

^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/10/24
 *** AERMET - VERSION 16216 *** ***
 *** 15:57:43

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

*** THE SUMMARY OF HIGHEST 8-HR

RESULTS ***

		** CONC OF CO	IN MICROGRAMS/M**3	
			DATE	
GROUP ID	AVERAGE CONC	NETWORK		
(XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	(YYMMDDHH)	RECEPTOR

ALL HIGH 1ST HIGH VALUE IS 9.51490 ON 14111116: AT (439887.64,
3748802.52, 161.93, 1142.09, 2.00) DC

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

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
*** 15:57:43

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

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1638 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 1039 Calm Hours Identified

A Total of 599 Missing Hours Identified (1.37 Percent)

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

***** WARNING MESSAGES *****
ME W186 1085 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used

0.50

ME W187 1085 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

**

**

** AERMOD Input Produced by:

** AERMOD View Ver. 12.0.0

** Lakes Environmental Software Inc.

** Date: 6/10/2024

** File: C:\Users\adadabhoy\Desktop\AERMOD\12630 Green River Ranch\12630 Cons
LST\12630 Cons LST.ADI

**

**

**

** AERMOD Control Pathway

**

**

CO STARTING

TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\12630 Green River Ranch\12630 0

MODELOPT DFAULT CONC

AVERTIME 1 PERIOD

URBANOPT 2189641 Riverside_County

POLLUTID NOX

FLAGPOLE 2.00

RUNORNOT RUN

ERRORFIL "12630 Cons LST.err"

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION VOL1	VOLUME	439309.748	3748858.376	161.250
LOCATION VOL2	VOLUME	439374.128	3748922.763	156.930
LOCATION VOL3	VOLUME	439455.801	3748932.328	154.240
LOCATION VOL4	VOLUME	439463.159	3748879.351	157.760
LOCATION VOL5	VOLUME	439391.051	3748849.183	160.760
LOCATION VOL6	VOLUME	439538.210	3748941.894	153.630

LOCATION VOL7	VOLUME	439791.324	3748855.070	157.420
LOCATION VOL8	VOLUME	439711.122	3748854.334	157.470
LOCATION VOL9	VOLUME	439633.128	3748853.598	157.760
LOCATION VOL10	VOLUME	439551.455	3748852.127	158.730
LOCATION VOL11	VOLUME	439793.532	3748775.604	163.250
LOCATION VOL12	VOLUME	439712.594	3748774.868	161.370
LOCATION VOL13	VOLUME	439632.392	3748774.132	162.310
LOCATION VOL14	VOLUME	439552.190	3748773.396	163.870
LOCATION VOL15	VOLUME	439471.989	3748772.661	162.240
LOCATION VOL16	VOLUME	439391.051	3748771.925	164.850
LOCATION VOL17	VOLUME	439310.849	3748769.717	165.560
LOCATION VOL18	VOLUME	439121.750	3748688.044	178.040
LOCATION VOL19	VOLUME	439202.687	3748688.044	176.120
LOCATION VOL20	VOLUME	439283.625	3748689.516	171.580
LOCATION VOL21	VOLUME	439365.298	3748690.251	170.660
LOCATION VOL22	VOLUME	439446.972	3748692.459	169.250
LOCATION VOL23	VOLUME	439528.645	3748693.930	171.250
LOCATION VOL24	VOLUME	439610.318	3748694.666	167.770
LOCATION VOL25	VOLUME	439691.992	3748693.195	166.370
LOCATION VOL26	VOLUME	439772.929	3748693.195	175.080
LOCATION VOL27	VOLUME	439822.963	3748612.993	188.660
LOCATION VOL28	VOLUME	439743.497	3748613.729	173.330
LOCATION VOL29	VOLUME	439662.560	3748612.993	177.500
LOCATION VOL30	VOLUME	439583.094	3748613.729	177.610
LOCATION VOL31	VOLUME	439502.156	3748613.729	180.210
LOCATION VOL32	VOLUME	439421.219	3748612.993	175.050
LOCATION VOL33	VOLUME	439341.753	3748613.729	180.220
LOCATION VOL34	VOLUME	439260.815	3748613.729	185.530
LOCATION VOL35	VOLUME	439180.613	3748611.521	196.860
LOCATION VOL36	VOLUME	439132.787	3748609.314	188.370
LOCATION VOL37	VOLUME	439132.051	3748527.640	198.180
LOCATION VOL38	VOLUME	439212.988	3748528.376	207.120
LOCATION VOL39	VOLUME	439291.719	3748530.584	210.020
LOCATION VOL40	VOLUME	439372.656	3748531.319	192.510
LOCATION VOL41	VOLUME	439453.594	3748530.584	191.060
LOCATION VOL42	VOLUME	439535.267	3748532.791	202.180
LOCATION VOL43	VOLUME	439616.205	3748533.527	177.120
LOCATION VOL44	VOLUME	439697.142	3748532.791	199.900
LOCATION VOL45	VOLUME	439778.080	3748534.998	179.030
LOCATION VOL46	VOLUME	439821.492	3748532.055	188.360
LOCATION VOL48	VOLUME	439213.724	3748448.174	212.290
LOCATION VOL49	VOLUME	439293.926	3748449.646	227.840
LOCATION VOL50	VOLUME	439373.392	3748451.118	194.220
LOCATION VOL51	VOLUME	439452.858	3748449.646	203.050
LOCATION VOL52	VOLUME	439534.531	3748451.118	218.960
LOCATION VOL53	VOLUME	439614.733	3748453.325	186.120
LOCATION VOL54	VOLUME	439696.407	3748454.797	204.900
LOCATION VOL55	VOLUME	439780.287	3748453.325	199.550
LOCATION VOL58	VOLUME	439290.247	3748369.444	229.260
LOCATION VOL59	VOLUME	439370.449	3748369.444	199.150

LOCATION VOL60	VOLUME	439451.386	3748370.916	231.160
LOCATION VOL61	VOLUME	439533.796	3748370.916	220.080
LOCATION VOL62	VOLUME	439613.997	3748373.123	193.690
LOCATION VOL63	VOLUME	439693.463	3748374.595	208.120

** Source Parameters **

SRCPARAM VOL1	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL2	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL3	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL4	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL5	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL6	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL7	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL8	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL9	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL10	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL11	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL12	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL13	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL14	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL15	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL16	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL17	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL18	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL19	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL20	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL21	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL22	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL23	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL24	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL25	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL26	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL27	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL28	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL29	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL30	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL31	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL32	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL33	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL34	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL35	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL36	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL37	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL38	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL39	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL40	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL41	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL42	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL43	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL44	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL45	0.0197212932	5.000	18.651	1.400

SRCPARAM VOL46	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL48	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL49	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL50	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL51	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL52	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL53	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL54	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL55	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL58	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL59	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL60	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL61	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL62	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL63	0.0197212932	5.000	18.651	1.400
URBANSRC ALL				

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

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT VOL2	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL3	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL4	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT 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
** 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:	

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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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 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
    SRCGROUP ALL

```

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "12630 Cons LST.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE KRAL_V9_ADJU\KRAL_v9.SFC

PROFFILE KRAL_V9_ADJU\KRAL_v9.PFL

SURFDATA 3171 2012

UAIRDATA 3190 2012

PROFBASE 245.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

```
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "12630 CONS LST.AD\01H1GALL.PLT" 31
PLOTFILE PERIOD ALL "12630 CONS LST.AD\PE00GALL.PLT" 32
SUMMFILE "12630 Cons LST.sum"
OU FINISHED
**
*****
** Project Parameters
*****
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMGRN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 6/10/2024
** File: C:\Users\adadabhoy\Desktop\AERMOD\12630 Green River Ranch\12630 Cons
LST\12630 Cons LST.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\12630 Green River Ranch\12630 0
MODELOPT DFAULT CONC
AVERTIME 1 PERIOD
URBANOPT 2189641 Riverside_County
POLLUTID NOX
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "12630 Cons LST.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
```

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION VOL1	VOLUME	439309.748	3748858.376	161.250
LOCATION VOL2	VOLUME	439374.128	3748922.763	156.930
LOCATION VOL3	VOLUME	439455.801	3748932.328	154.240
LOCATION VOL4	VOLUME	439463.159	3748879.351	157.760
LOCATION VOL5	VOLUME	439391.051	3748849.183	160.760
LOCATION VOL6	VOLUME	439538.210	3748941.894	153.630
LOCATION VOL7	VOLUME	439791.324	3748855.070	157.420
LOCATION VOL8	VOLUME	439711.122	3748854.334	157.470
LOCATION VOL9	VOLUME	439633.128	3748853.598	157.760
LOCATION VOL10	VOLUME	439551.455	3748852.127	158.730
LOCATION VOL11	VOLUME	439793.532	3748775.604	163.250
LOCATION VOL12	VOLUME	439712.594	3748774.868	161.370
LOCATION VOL13	VOLUME	439632.392	3748774.132	162.310
LOCATION VOL14	VOLUME	439552.190	3748773.396	163.870
LOCATION VOL15	VOLUME	439471.989	3748772.661	162.240
LOCATION VOL16	VOLUME	439391.051	3748771.925	164.850
LOCATION VOL17	VOLUME	439310.849	3748769.717	165.560
LOCATION VOL18	VOLUME	439121.750	3748688.044	178.040
LOCATION VOL19	VOLUME	439202.687	3748688.044	176.120
LOCATION VOL20	VOLUME	439283.625	3748689.516	171.580
LOCATION VOL21	VOLUME	439365.298	3748690.251	170.660
LOCATION VOL22	VOLUME	439446.972	3748692.459	169.250
LOCATION VOL23	VOLUME	439528.645	3748693.930	171.250
LOCATION VOL24	VOLUME	439610.318	3748694.666	167.770
LOCATION VOL25	VOLUME	439691.992	3748693.195	166.370
LOCATION VOL26	VOLUME	439772.929	3748693.195	175.080
LOCATION VOL27	VOLUME	439822.963	3748612.993	188.660
LOCATION VOL28	VOLUME	439743.497	3748613.729	173.330
LOCATION VOL29	VOLUME	439662.560	3748612.993	177.500
LOCATION VOL30	VOLUME	439583.094	3748613.729	177.610
LOCATION VOL31	VOLUME	439502.156	3748613.729	180.210
LOCATION VOL32	VOLUME	439421.219	3748612.993	175.050
LOCATION VOL33	VOLUME	439341.753	3748613.729	180.220
LOCATION VOL34	VOLUME	439260.815	3748613.729	185.530
LOCATION VOL35	VOLUME	439180.613	3748611.521	196.860
LOCATION VOL36	VOLUME	439132.787	3748609.314	188.370
LOCATION VOL37	VOLUME	439132.051	3748527.640	198.180
LOCATION VOL38	VOLUME	439212.988	3748528.376	207.120
LOCATION VOL39	VOLUME	439291.719	3748530.584	210.020
LOCATION VOL40	VOLUME	439372.656	3748531.319	192.510
LOCATION VOL41	VOLUME	439453.594	3748530.584	191.060
LOCATION VOL42	VOLUME	439535.267	3748532.791	202.180
LOCATION VOL43	VOLUME	439616.205	3748533.527	177.120
LOCATION VOL44	VOLUME	439697.142	3748532.791	199.900

LOCATION VOL45	VOLUME	439778.080	3748534.998	179.030
LOCATION VOL46	VOLUME	439821.492	3748532.055	188.360
LOCATION VOL48	VOLUME	439213.724	3748448.174	212.290
LOCATION VOL49	VOLUME	439293.926	3748449.646	227.840
LOCATION VOL50	VOLUME	439373.392	3748451.118	194.220
LOCATION VOL51	VOLUME	439452.858	3748449.646	203.050
LOCATION VOL52	VOLUME	439534.531	3748451.118	218.960
LOCATION VOL53	VOLUME	439614.733	3748453.325	186.120
LOCATION VOL54	VOLUME	439696.407	3748454.797	204.900
LOCATION VOL55	VOLUME	439780.287	3748453.325	199.550
LOCATION VOL58	VOLUME	439290.247	3748369.444	229.260
LOCATION VOL59	VOLUME	439370.449	3748369.444	199.150
LOCATION VOL60	VOLUME	439451.386	3748370.916	231.160
LOCATION VOL61	VOLUME	439533.796	3748370.916	220.080
LOCATION VOL62	VOLUME	439613.997	3748373.123	193.690
LOCATION VOL63	VOLUME	439693.463	3748374.595	208.120

** Source Parameters **

SRCPARAM VOL1	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL2	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL3	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL4	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL5	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL6	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL7	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL8	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL9	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL10	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL11	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL12	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL13	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL14	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL15	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL16	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL17	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL18	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL19	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL20	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL21	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL22	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL23	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL24	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL25	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL26	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL27	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL28	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL29	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL30	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL31	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL32	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL33	0.0197212932	5.000	18.651	1.400

SRCPARAM VOL34	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL35	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL36	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL37	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL38	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL39	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL40	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL41	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL42	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL43	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL44	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL45	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL46	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL48	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL49	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL50	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL51	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL52	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL53	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL54	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL55	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL58	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL59	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL60	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL61	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL62	0.0197212932	5.000	18.651	1.400
SRCPARAM VOL63	0.0197212932	5.000	18.651	1.400
URBANSRC ALL				

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

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT VOL1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL1	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Saturday:

EMISFACT VOL1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Sunday:

EMISFACT VOL1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** WeekDays:

EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL2	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0

[illegible]

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
** 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

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**	EMISFACT VOL18		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	WeekDays:								
	EMISFACT VOL19		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL19		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT VOL19		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT VOL19		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:								
	EMISFACT VOL19		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL19		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL19		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL19		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:								
	EMISFACT VOL19		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL19		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL19		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL19		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays:								
	EMISFACT VOL20		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL20		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT VOL20		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT VOL20		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:								
	EMISFACT VOL20		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL20		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL20		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL20		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:								
	EMISFACT VOL20		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL20		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL20		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL20		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays:								
	EMISFACT VOL21		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL21		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT VOL21		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT VOL21		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:								
	EMISFACT VOL21		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL21		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL21		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL21		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:								
	EMISFACT VOL21		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL21		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL21		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL21		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays:								
	EMISFACT VOL22		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL22		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT VOL22		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0

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**		EMISFACT VOL25	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
*	* Sunday:								
		EMISFACT VOL25	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL25	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL25	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL25	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays :								
		EMISFACT VOL26	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL26	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
		EMISFACT VOL26	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
		EMISFACT VOL26	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:								
		EMISFACT VOL26	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL26	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL26	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL26	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:								
		EMISFACT VOL26	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL26	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL26	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL26	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays :								
		EMISFACT VOL27	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL27	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
		EMISFACT VOL27	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
		EMISFACT VOL27	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:								
		EMISFACT VOL27	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL27	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL27	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL27	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:								
		EMISFACT VOL27	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL27	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL27	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL27	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays :								
		EMISFACT VOL28	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL28	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
		EMISFACT VOL28	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
		EMISFACT VOL28	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:								
		EMISFACT VOL28	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL28	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL28	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL28	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:								
		EMISFACT VOL28	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL28	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
		EMISFACT VOL28	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

**	EMISFACT VOL28		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	WeekDays:								
	EMISFACT VOL29		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL29		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT VOL29		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT VOL29		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:								
	EMISFACT VOL29		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL29		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL29		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL29		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:								
	EMISFACT VOL29		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL29		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL29		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL29		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays:								
	EMISFACT VOL30		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL30		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT VOL30		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT VOL30		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:								
	EMISFACT VOL30		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL30		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL30		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL30		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:								
	EMISFACT VOL30		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL30		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL30		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL30		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays:								
	EMISFACT VOL31		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL31		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT VOL31		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT VOL31		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:								
	EMISFACT VOL31		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL31		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL31		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL31		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:								
	EMISFACT VOL31		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL31		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL31		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL31		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays:								
	EMISFACT 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

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**	EMISFACT VOL35 Sunday:		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
	EMISFACT VOL35		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays :								
	EMISFACT VOL36		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL36		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT VOL36		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT VOL36		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:								
	EMISFACT VOL36		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL36		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL36		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL36		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:								
	EMISFACT VOL36		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL36		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL36		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL36		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays :								
	EMISFACT VOL37		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL37		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT VOL37		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT VOL37		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:								
	EMISFACT VOL37		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL37		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL37		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL37		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:								
	EMISFACT VOL37		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL37		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL37		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL37		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays :								
	EMISFACT VOL38		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL38		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT VOL38		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT VOL38		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:								
	EMISFACT VOL38		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL38		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL38		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL38		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:								
	EMISFACT VOL38		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL38		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL38		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

**	EMISFACT VOL38		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	WeekDays:								
	EMISFACT VOL39		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL39		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT VOL39		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT VOL39		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:								
	EMISFACT VOL39		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL39		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL39		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL39		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:								
	EMISFACT VOL39		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL39		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL39		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL39		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays:								
	EMISFACT VOL40		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL40		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT VOL40		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT VOL40		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:								
	EMISFACT VOL40		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL40		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL40		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL40		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:								
	EMISFACT VOL40		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL40		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL40		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL40		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays:								
	EMISFACT VOL41		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL41		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT VOL41		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT VOL41		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:								
	EMISFACT VOL41		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL41		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL41		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL41		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:								
	EMISFACT VOL41		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL41		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL41		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL41		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays:								
	EMISFACT VOL42		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL42		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT VOL42		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0

[illegible]

**	EMISFACT	VOL45		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	Sunday:									
	EMISFACT	VOL45		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL45		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL45		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL45		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays :									
	EMISFACT	VOL46		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL46		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT	VOL46		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT	VOL46		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:									
	EMISFACT	VOL46		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL46		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL46		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL46		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:									
	EMISFACT	VOL46		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL46		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL46		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL46		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays :									
	EMISFACT	VOL48		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL48		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT	VOL48		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT	VOL48		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:									
	EMISFACT	VOL48		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL48		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL48		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL48		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:									
	EMISFACT	VOL48		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL48		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL48		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL48		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays :									
	EMISFACT	VOL49		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL49		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT	VOL49		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT	VOL49		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:									
	EMISFACT	VOL49		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL49		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL49		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL49		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:									
	EMISFACT	VOL49		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL49		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL49		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

**	EMISFACT VOL49		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	WeekDays:								
	EMISFACT VOL50		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL50		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT VOL50		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT VOL50		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:								
	EMISFACT VOL50		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL50		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL50		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL50		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:								
	EMISFACT VOL50		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL50		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL50		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL50		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays:								
	EMISFACT VOL51		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL51		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT VOL51		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT VOL51		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:								
	EMISFACT VOL51		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL51		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL51		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL51		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:								
	EMISFACT VOL51		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL51		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL51		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL51		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays:								
	EMISFACT VOL52		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL52		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT VOL52		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT VOL52		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:								
	EMISFACT VOL52		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL52		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL52		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL52		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:								
	EMISFACT VOL52		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL52		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL52		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL52		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	WeekDays:								
	EMISFACT VOL53		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT VOL53		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT VOL53		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0

**	EMISFACT VOL53 Saturday:		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
	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 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:									
	EMISFACT	VOL61		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL61		HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
	EMISFACT	VOL61		HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
	EMISFACT	VOL61		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Saturday:									
	EMISFACT	VOL61		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL61		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL61		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL61		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
**	Sunday:									
	EMISFACT	VOL61		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL61		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
	EMISFACT	VOL61		HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
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

SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "12630 Cons LST.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE KRAL_V9_ADJU\KRAL_v9.SFC

PROFFILE KRAL_V9_ADJU\KRAL_v9.PFL
SURFDATA 3171 2012
UAIRDATA 3190 2012
PROFBASE 245.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST "12630 CONS LST.AD\01H1GALL.PLT" 31

PLOTFILE PERIOD ALL "12630 CONS LST.AD\PE00GALL.PLT" 32

SUMMFILE "12630 Cons LST.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 1085 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50

ME W187 1085 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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

*** MODEL SETUP OPTIONS SUMMARY

- - - - -
- - - - -

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 60 Source(s),
for Total of 1 Urban Area(s):
- Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: NOX

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 60 Source(s); 1 Source Group(s); and 121
Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 60 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 Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

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

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

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

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: 12630 Cons LST.err

**File for Summary of Results: 12630 Cons LST.sum

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

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
INIT.	SOURCE	EMISSION	RATE	AIRCRAFT		ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY					
ID		CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

- - - - -

VOL1		0	0.19721E-01	439309.7	3748858.4	161.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL2		0	0.19721E-01	439374.1	3748922.8	156.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL3		0	0.19721E-01	439455.8	3748932.3	154.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL4		0	0.19721E-01	439463.2	3748879.4	157.8	5.00	18.65
1.40	YES	HRDOW	NO					
VOL5		0	0.19721E-01	439391.1	3748849.2	160.8	5.00	18.65
1.40	YES	HRDOW	NO					
VOL6		0	0.19721E-01	439538.2	3748941.9	153.6	5.00	18.65
1.40	YES	HRDOW	NO					
VOL7		0	0.19721E-01	439791.3	3748855.1	157.4	5.00	18.65
1.40	YES	HRDOW	NO					
VOL8		0	0.19721E-01	439711.1	3748854.3	157.5	5.00	18.65
1.40	YES	HRDOW	NO					
VOL9		0	0.19721E-01	439633.1	3748853.6	157.8	5.00	18.65
1.40	YES	HRDOW	NO					
VOL10		0	0.19721E-01	439551.5	3748852.1	158.7	5.00	18.65
1.40	YES	HRDOW	NO					
VOL11		0	0.19721E-01	439793.5	3748775.6	163.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL12		0	0.19721E-01	439712.6	3748774.9	161.4	5.00	18.65
1.40	YES	HRDOW	NO					
VOL13		0	0.19721E-01	439632.4	3748774.1	162.3	5.00	18.65
1.40	YES	HRDOW	NO					
VOL14		0	0.19721E-01	439552.2	3748773.4	163.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL15		0	0.19721E-01	439472.0	3748772.7	162.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL16		0	0.19721E-01	439391.1	3748771.9	164.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL17		0	0.19721E-01	439310.8	3748769.7	165.6	5.00	18.65
1.40	YES	HRDOW	NO					
VOL18		0	0.19721E-01	439121.8	3748688.0	178.0	5.00	18.65
1.40	YES	HRDOW	NO					
VOL19		0	0.19721E-01	439202.7	3748688.0	176.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL20		0	0.19721E-01	439283.6	3748689.5	171.6	5.00	18.65
1.40	YES	HRDOW	NO					
VOL21		0	0.19721E-01	439365.3	3748690.3	170.7	5.00	18.65
1.40	YES	HRDOW	NO					
VOL22		0	0.19721E-01	439447.0	3748692.5	169.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL23		0	0.19721E-01	439528.6	3748693.9	171.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL24		0	0.19721E-01	439610.3	3748694.7	167.8	5.00	18.65
1.40	YES	HRDOW	NO					

VOL25		0	0.19721E-01	439692.0	3748693.2	166.4	5.00	18.65
1.40	YES	HRDOW	NO					
VOL26		0	0.19721E-01	439772.9	3748693.2	175.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL27		0	0.19721E-01	439823.0	3748613.0	188.7	5.00	18.65
1.40	YES	HRDOW	NO					
VOL28		0	0.19721E-01	439743.5	3748613.7	173.3	5.00	18.65
1.40	YES	HRDOW	NO					
VOL29		0	0.19721E-01	439662.6	3748613.0	177.5	5.00	18.65
1.40	YES	HRDOW	NO					
VOL30		0	0.19721E-01	439583.1	3748613.7	177.6	5.00	18.65
1.40	YES	HRDOW	NO					
VOL31		0	0.19721E-01	439502.2	3748613.7	180.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL32		0	0.19721E-01	439421.2	3748613.0	175.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL33		0	0.19721E-01	439341.8	3748613.7	180.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL34		0	0.19721E-01	439260.8	3748613.7	185.5	5.00	18.65
1.40	YES	HRDOW	NO					
VOL35		0	0.19721E-01	439180.6	3748611.5	196.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL36		0	0.19721E-01	439132.8	3748609.3	188.4	5.00	18.65
1.40	YES	HRDOW	NO					
VOL37		0	0.19721E-01	439132.1	3748527.6	198.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL38		0	0.19721E-01	439213.0	3748528.4	207.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL39		0	0.19721E-01	439291.7	3748530.6	210.0	5.00	18.65
1.40	YES	HRDOW	NO					
VOL40		0	0.19721E-01	439372.7	3748531.3	192.5	5.00	18.65
1.40	YES	HRDOW	NO					

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

*** VOLUME SOURCE DATA ***

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

- - - - -

VOL41		0	0.19721E-01	439453.6	3748530.6	191.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL42		0	0.19721E-01	439535.3	3748532.8	202.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL43		0	0.19721E-01	439616.2	3748533.5	177.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL44		0	0.19721E-01	439697.1	3748532.8	199.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL45		0	0.19721E-01	439778.1	3748535.0	179.0	5.00	18.65
1.40	YES	HRDOW	NO					
VOL46		0	0.19721E-01	439821.5	3748532.1	188.4	5.00	18.65
1.40	YES	HRDOW	NO					
VOL48		0	0.19721E-01	439213.7	3748448.2	212.3	5.00	18.65
1.40	YES	HRDOW	NO					
VOL49		0	0.19721E-01	439293.9	3748449.6	227.8	5.00	18.65
1.40	YES	HRDOW	NO					
VOL50		0	0.19721E-01	439373.4	3748451.1	194.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL51		0	0.19721E-01	439452.9	3748449.6	203.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL52		0	0.19721E-01	439534.5	3748451.1	219.0	5.00	18.65
1.40	YES	HRDOW	NO					
VOL53		0	0.19721E-01	439614.7	3748453.3	186.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL54		0	0.19721E-01	439696.4	3748454.8	204.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL55		0	0.19721E-01	439780.3	3748453.3	199.6	5.00	18.65
1.40	YES	HRDOW	NO					
VOL58		0	0.19721E-01	439290.2	3748369.4	229.3	5.00	18.65
1.40	YES	HRDOW	NO					
VOL59		0	0.19721E-01	439370.4	3748369.4	199.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL60		0	0.19721E-01	439451.4	3748370.9	231.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL61		0	0.19721E-01	439533.8	3748370.9	220.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL62		0	0.19721E-01	439614.0	3748373.1	193.7	5.00	18.65
1.40	YES	HRDOW	NO					
VOL63		0	0.19721E-01	439693.5	3748374.6	208.1	5.00	18.65
1.40	YES	HRDOW	NO					

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

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs					
-----	-----					
ALL	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	,
VOL6	, VOL7	, VOL8	,			
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	,
VOL14	, VOL15	, VOL16	,			
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	,
VOL22	, VOL23	, VOL24	,			
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	,
VOL30	, VOL31	, VOL32	,			
	VOL33	, VOL34	, VOL35	, VOL36	, VOL37	,
VOL38	, VOL39	, VOL40	,			
	VOL41	, VOL42	, VOL43	, VOL44	, VOL45	,
VOL46	, VOL48	, VOL49	,			
	VOL50	, VOL51	, VOL52	, VOL53	, VOL54	,
VOL55	, VOL58	, VOL59	,			
	VOL60	, VOL61	, VOL62	, VOL63		
▲ *** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\12630 Green River Ranch\12630 0 *** 06/10/24 *** AERMET - VERSION 16216 *** *** *** 15:48:38						

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

*** SOURCE IDs DEFINED AS URBAN SOURCES

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

VOL14	VOL9 , VOL15	, VOL10 , VOL16	, VOL11 ,	, VOL12	, VOL13	,
VOL22	VOL17 , VOL23	, VOL18 , VOL24	, VOL19 ,	, VOL20	, VOL21	,
VOL30	VOL25 , VOL31	, VOL26 , VOL32	, VOL27 ,	, VOL28	, VOL29	,
VOL38	VOL33 , VOL39	, VOL34 , VOL40	, VOL35 ,	, VOL36	, VOL37	,
VOL46	VOL41 , VOL48	, VOL42 , VOL49	, VOL43 ,	, VOL44	, VOL45	,
VOL55	VOL50 , VOL58	, VOL51 , VOL59	, VOL52 ,	, VOL53	, VOL54	,

VOL60 , VOL61 , VOL62 , VOL63 ,
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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
*** 15:48:38

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

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

```

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
-----
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
*** 15:48:38

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

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

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

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

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

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

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/10/24
 *** AERMET - VERSION 16216 *** ***
 *** 15:48:38

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

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

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01

14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
*** 15:48:38

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

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

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

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

```

    9 .0000E+00  10 .0000E+00  11 .0000E+00  12 .0000E+00  13 .0000E+00
14 .0000E+00  15 .0000E+00  16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

```

SOURCE ID = 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
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
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15:48:38

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

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

```
SOURCE ID = VOL7          ; SOURCE TYPE = VOLUME      :
  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR
HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR
- - - - -
- - - - -
                                DAY OF WEEK = WEEKDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
      9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SATURDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
      9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SUNDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
      9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 ***      06/10/24
*** AERMET - VERSION 16216 *** ***
***                               15:48:38
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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


22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
*** 15:48:38

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

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

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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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
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
*** 15:48:38

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

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

```

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
*** 15:48:38

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

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

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/10/24
 *** AERMET - VERSION 16216 *** ***
 *** 15:48:38

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

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

SOURCE ID = VOL13		; SOURCE TYPE = VOLUME		:					
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				
- - - - -									
- - - - -									

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/10/24
 *** AERMET - VERSION 16216 *** ***
 *** 15:48:38

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

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

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
 14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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

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

HOUR SCALAR HOUR SCALAR HOUR SCALAR

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

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

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

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*** 15:48:38

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

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

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

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

- - - - -
 - - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

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

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

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

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

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

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

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

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

```

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMET - VERSION 16216 ***

*** 15:48:38

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

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

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

- - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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 *** AERMET - VERSION 16216 *** ***
 *** 15:48:38

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

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

SOURCE ID = VOL24				; SOURCE TYPE = VOLUME					
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				
- - - - -									
- - - - -									

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 23132 ***
 Green River Ranch\12630 0 ***
 *** AERMET - VERSION 16216 ***

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

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

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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 Green River Ranch\12630 0 ***
 *** AERMET - VERSION 16216 ***

 *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 06/10/24
 15:48:38

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

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

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
*** 15:48:38

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

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

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = 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

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6  .0000E+00  7  .0000E+00  8  .0000E+00
   9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
   1  .0000E+00   2  .0000E+00   3  .0000E+00   4  .0000E+00   5  .0000E+00
6  .0000E+00   7  .0000E+00   8  .0000E+00
   9  .1000E+01  10  .1000E+01  11  .1000E+01  12  .1000E+01  13  .1000E+01
14  .1000E+01  15  .1000E+01  16  .1000E+01
   17  .0000E+00  18  .0000E+00  19  .0000E+00  20  .0000E+00  21  .0000E+00
22  .0000E+00  23  .0000E+00  24  .0000E+00
DAY OF WEEK = SATURDAY
   1  .0000E+00   2  .0000E+00   3  .0000E+00   4  .0000E+00   5  .0000E+00
6  .0000E+00   7  .0000E+00   8  .0000E+00
   9  .0000E+00  10  .0000E+00  11  .0000E+00  12  .0000E+00  13  .0000E+00
14  .0000E+00  15  .0000E+00  16  .0000E+00
   17  .0000E+00  18  .0000E+00  19  .0000E+00  20  .0000E+00  21  .0000E+00
22  .0000E+00  23  .0000E+00  24  .0000E+00
DAY OF WEEK = SUNDAY
   1  .0000E+00   2  .0000E+00   3  .0000E+00   4  .0000E+00   5  .0000E+00
6  .0000E+00   7  .0000E+00   8  .0000E+00
   9  .0000E+00  10  .0000E+00  11  .0000E+00  12  .0000E+00  13  .0000E+00
14  .0000E+00  15  .0000E+00  16  .0000E+00
   17  .0000E+00  18  .0000E+00  19  .0000E+00  20  .0000E+00  21  .0000E+00
22  .0000E+00  23  .0000E+00  24  .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

```

SOURCE ID = 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
▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

```

SOURCE ID = VOL31          ; SOURCE TYPE = VOLUME      :
  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR
HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
      9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24

*** AERMET - VERSION 16216 ***

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

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

SOURCE ID = 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

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14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
*** 15:48:38

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

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

```

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
*** 15:48:38

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

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

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :

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

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

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

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
 14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

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

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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

SOURCE ID = VOL42 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

```

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

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

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SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -

```

```

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

```

14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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 Green River Ranch\12630 0 *** 06/10/24
 *** AERMET - VERSION 16216 *** ***
 *** 15:48:38

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

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

SOURCE ID = VOL48 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .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 ***

*** 15:48:38

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

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

SOURCE ID = VOL49 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMET - VERSION 16216 ***

*** 15:48:38

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

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

SOURCE ID = VOL50 ; SOURCE TYPE = VOLUME :

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

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*** 15:48:38

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

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

SOURCE ID = VOL51 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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

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 = SATURDAY

DAY OF WEEK = SUNDAY


```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** AERMET - VERSION 16216 *** ***
*** 15:48:38

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

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

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SOURCE ID = 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
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Green River Ranch\12630 0 *** 06/10/24
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*** 15:48:38

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

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

SOURCE ID = VOL54 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -

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

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

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

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 *** 15:48:38

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

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

SOURCE ID = VOL55 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01

14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** 15:48:38

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

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

SOURCE ID = VOL58 ; 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
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Green River Ranch\12630 0 *** 06/10/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

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

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

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*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
*** 15:48:38
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

```
SOURCE ID = VOL61      ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
```

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

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
*** 15:48:38

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL 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 HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
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
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
*** 15:48:38

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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 HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
*** 15:48:38

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

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

(439260.0, 3749072.6, 149.6, 1142.1,	2.0);	(439277.6,
3749070.7, 149.3, 1142.1, 2.0);		
(439298.4, 3749082.1, 148.2, 1142.1,	2.0);	(439312.1,
3749091.1, 147.4, 1142.1, 2.0);		
(439321.9, 3749098.5, 146.8, 1142.1,	2.0);	(439240.7,
3749074.7, 149.8, 1142.1, 2.0);		
(439217.6, 3749084.1, 149.2, 1142.1,	2.0);	(439205.3,
3749089.8, 148.8, 1142.1, 2.0);		
(439192.1, 3749096.3, 148.3, 1142.1,	2.0);	(439179.5,
3749103.1, 147.9, 1142.1, 2.0);		
(439169.9, 3749108.1, 147.6, 1142.1,	2.0);	(439157.1,
3749113.7, 147.2, 1142.1, 2.0);		
(439137.6, 3749079.0, 150.0, 1142.1,	2.0);	(439113.3,
3749079.2, 150.5, 1142.1, 2.0);		
(439099.8, 3749078.8, 150.5, 1142.1,	2.0);	(439085.4,
3749079.0, 150.6, 1142.1, 2.0);		
(439071.9, 3749078.8, 150.9, 1142.1,	2.0);	(439045.6,
3749077.6, 152.1, 1142.1, 2.0);		
(438992.4, 3749075.4, 153.1, 1142.1,	2.0);	(438978.2,
3749072.7, 153.3, 1142.1, 2.0);		
(438963.0, 3749071.1, 153.5, 1142.1,	2.0);	(438947.1,
3749069.1, 153.6, 1142.1, 2.0);		
(438932.4, 3749067.4, 153.6, 1142.1,	2.0);	(438917.5,
3749065.3, 153.7, 1142.1, 2.0);		
(438902.8, 3749063.1, 153.6, 1142.1,	2.0);	(438888.1,
3749060.2, 153.2, 1142.1, 2.0);		
(438870.8, 3749057.6, 153.0, 1142.1,	2.0);	(438854.9,
3749058.0, 153.0, 1142.1, 2.0);		
(438838.0, 3749060.2, 153.3, 1142.1,	2.0);	(438779.5,
3749017.8, 155.3, 1142.1, 2.0);		
(438784.5, 3749046.0, 155.3, 1142.1,	2.0);	(438762.9,
3749004.6, 155.4, 1142.1, 2.0);		
(438815.8, 3749066.2, 153.8, 1142.1,	2.0);	(439042.5,
3748895.5, 160.7, 1142.1, 2.0);		
(439038.5, 3748865.8, 163.8, 1142.1,	2.0);	(438999.1,
3748811.4, 169.3, 1142.1, 2.0);		
(438921.2, 3748750.7, 169.3, 1142.1,	2.0);	(438794.0,
3748719.9, 136.3, 1142.1, 2.0);		
(438730.9, 3748880.7, 139.1, 1142.1,	2.0);	(438748.5,
3748863.0, 139.0, 1142.1, 2.0);		
(438764.6, 3748843.8, 139.2, 1142.1,	2.0);	(438785.5,
3748816.7, 136.1, 1142.1, 2.0);		
(438805.1, 3748788.0, 136.7, 1142.1,	2.0);	(438803.2,
3748750.8, 136.5, 1142.1, 2.0);		
(438788.4, 3748703.2, 136.7, 1142.1,	2.0);	(438780.5,
3748674.0, 136.6, 1142.1, 2.0);		
(438768.9, 3748645.4, 136.5, 1142.1,	2.0);	(438751.6,
3748620.5, 135.7, 1142.1, 2.0);		
(438730.3, 3748595.8, 135.0, 1142.1,	2.0);	(438712.2,


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3748572.0,    133.7,    1142.1,    2.0);
( 438693.5, 3748548.8,    131.9,    1142.1,    2.0);    ( 438676.8,
3748525.0,    131.1,    1142.1,    2.0);
( 438655.8, 3748497.8,    131.0,    1142.1,    2.0);    ( 438639.1,
3748475.7,    131.4,    1142.1,    2.0);
( 438619.5, 3748452.5,    131.5,    1142.1,    2.0);    ( 438600.3,
3748429.8,    131.6,    1142.1,    2.0);
( 438580.7, 3748404.6,    131.1,    1142.1,    2.0);    ( 438561.4,
3748384.2,    131.1,    1142.1,    2.0);
( 438540.8, 3748363.8,    131.1,    1142.1,    2.0);    ( 438520.9,
3748341.1,    131.1,    1142.1,    2.0);
( 438500.0, 3748320.4,    130.5,    1142.1,    2.0);    ( 438735.7,
3748992.6,    156.9,    1142.1,    2.0);
( 438675.3, 3748985.1,    148.4,    1142.1,    2.0);    ( 439331.0,
3749107.6,    146.2,    1142.1,    2.0);
( 439341.9, 3749117.1,    145.5,    1142.1,    2.0);    ( 439353.6,
3749127.3,    144.5,    1142.1,    2.0);
( 439366.1, 3749137.4,    143.4,    1142.1,    2.0);    ( 439375.7,
3749143.9,    142.6,    1142.1,    2.0);
( 439388.4, 3749153.5,    141.3,    1142.1,    2.0);    ( 439400.5,
3749162.1,    140.2,    1142.1,    2.0);
( 439413.6, 3749169.9,    139.5,    1142.1,    2.0);    ( 439425.7,
3749178.1,    138.9,    1142.1,    2.0);
( 439449.6, 3749192.9,    138.5,    1142.1,    2.0);    ( 439473.0,
3749214.4,    138.5,    1142.1,    2.0);
( 439800.8, 3749040.5,    147.5,    1142.1,    2.0);    ( 439873.8,
3748887.4,    156.3,    1142.1,    2.0);
( 439887.6, 3748802.5,    161.9,    1142.1,    2.0);    ( 440077.8,
3748740.2,    180.5,    1142.1,    2.0);
( 440019.2, 3748682.1,    178.2,    1142.1,    2.0);    ( 439929.6,
3748601.8,    215.7,    1142.1,    2.0);
( 439955.0, 3748605.9,    216.9,    1142.1,    2.0);    ( 439983.2,
3748614.2,    213.8,    1142.1,    2.0);
( 440006.2, 3748617.4,    211.2,    1142.1,    2.0);    ( 440071.3,
3748624.4,    201.1,    1142.1,    2.0);
( 440087.9, 3748639.6,    190.9,    1142.1,    2.0);    ( 440117.0,
3748767.0,    190.4,    1142.1,    2.0);
( 439940.2, 3748575.0,    215.8,    1142.1,    2.0);    ( 439996.1,
3748506.2,    215.9,    1142.1,    2.0);
( 440023.3, 3748475.8,    213.2,    1142.1,    2.0);    ( 440043.2,
3748463.8,    217.3,    1142.1,    2.0);
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/10/24
*** AERMET - VERSION 16216 *** ***
*** 15:48:38

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

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(440054.7, 3748448.5, 218.5, 1142.1, 2.0);	(440063.5, 3748429.6, 219.1, 1142.1, 2.0);
(440072.3, 3748414.8, 221.0, 1142.1, 2.0);	(440083.8, 3748396.4, 222.7, 1142.1, 2.0);
(440096.3, 3748378.8, 225.5, 1142.1, 2.0);	(440105.1, 3748361.8, 227.1, 1142.1, 2.0);
(440106.9, 3748342.8, 226.4, 1142.1, 2.0);	(440120.8, 3748318.8, 231.8, 1142.1, 2.0);
(440122.7, 3748286.9, 233.8, 1142.1, 2.0);	(440117.3, 3748252.6, 235.6, 1142.1, 2.0);
(440121.3, 3748218.1, 241.7, 1142.1, 2.0);	(440128.1, 3748298.0, 235.1, 1142.1, 2.0);
(440266.3, 3748117.4, 245.8, 1142.1, 2.0);	(440165.5, 3747898.5, 272.1, 1142.1, 2.0);
(440191.3, 3747915.0, 264.6, 1142.1, 2.0);	(440206.6, 3747939.3, 273.8, 1142.1, 2.0);
(440247.4, 3747944.8, 263.2, 1142.1, 2.0);	(440266.7, 3747950.7, 259.8, 1142.1, 2.0);
(440283.1, 3747959.7, 258.2, 1142.1, 2.0);	(440300.0, 3747969.1, 258.9, 1142.1, 2.0);
(440321.2, 3747989.1, 257.1, 1142.1, 2.0);	(440293.3, 3748093.9, 240.7, 1142.1, 2.0);
(440300.0, 3748071.1, 247.9, 1142.1, 2.0);	(440307.9, 3748048.4, 252.5, 1142.1, 2.0);
(440314.1, 3748028.4, 255.8, 1142.1, 2.0);	(440320.0, 3748006.8, 260.3, 1142.1, 2.0);
(440335.3, 3747569.2, 306.9, 1142.1, 2.0);	(440507.2, 3748971.2, 177.2, 1142.1, 2.0);
(439956.0, 3749044.3, 147.7, 1142.1, 2.0);	(439952.9, 3748770.0, 164.0, 1142.1, 2.0);
(438867.1, 3748863.2, 165.9, 1142.1, 2.0);	

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*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 ***      06/10/24
*** AERMET - VERSION 16216 ***      ***
***      ***      15:48:38

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ U*

*** METEOROLOGICAL DAYS SELECTED FOR

PROCESSING ***

(1=YES; 0=NO)

[illegible]

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

10.80, 1.54, 3.09, 5.14, 8.23,

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

Profile format: FREE

Year: 2012

YR MO DY JDY HR H0 U* W* DT/DZ ZICNV ZIMCH M-O LEN Z0 BOWEN

ALBEDO	REF	WS	WD	HT	REF	TA	HT							

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

1.00 2.06 75. 10.1 288.8 2.0

First hour of profile data

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

F indicates top of profile (=1) or below (=0)

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
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*** AERMET - VERSION 16216 *** ***
*** 15:48:38

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

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S):				VOL1	, VOL2
, VOL3	, VOL4	, VOL5	,		
	VOL6	, VOL7	, VOL8	, VOL9	, VOL10
, VOL11	, VOL12	, VOL13	,		
	VOL14	, VOL15	, VOL16	, VOL17	, VOL18
, VOL19	, VOL20	, VOL21	,		
	VOL22	, VOL23	, VOL24	, VOL25	, VOL26
, VOL27	, VOL28	, . . .	,		

*** DISCRETE CARTESIAN RECEPTOR POINTS

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
439259.97	3749072.65	0.14503	439277.61
3749070.69	0.15568		
439298.40	3749082.06	0.15420	439312.13
3749091.08	0.15094		
439321.93	3749098.54	0.14728	439240.72
3749074.67	0.13451		
439217.60	3749084.06	0.11876	439205.31
3749089.84	0.11112		
439192.07	3749096.35	0.10360	439179.54
3749103.09	0.09696		
439169.91	3749108.15	0.09236	439157.14
3749113.69	0.08719		
439137.63	3749079.00	0.09525	439113.31

3749079.24	0.08862		
439099.82	3749078.76	0.08539	439085.37
3749079.00	0.08188		
439071.88	3749078.76	0.07892	439045.63
3749077.56	0.07375		
438992.40	3749075.39	0.06441	438978.19
3749072.74	0.06254		
438963.01	3749071.06	0.06042	438947.12
3749069.13	0.05833		
438932.42	3749067.44	0.05646	438917.49
3749065.27	0.05469		
438902.80	3749063.11	0.05303	438888.11
3749060.22	0.05151		
438870.76	3749057.57	0.04970	438854.87
3749058.05	0.04779		
438838.01	3749060.22	0.04572	438779.48
3749017.83	0.04343		
438784.54	3749046.01	0.04163	438762.86
3749004.58	0.04281		
438815.85	3749066.24	0.04293	439042.50
3748895.54	0.13862		
439038.53	3748865.79	0.15320	438999.14
3748811.38	0.15865		
438921.22	3748750.74	0.12918	438794.05
3748719.90	0.07568		
438730.91	3748880.70	0.04834	438748.55
3748863.05	0.05225		
438764.63	3748843.83	0.05657	438785.55
3748816.73	0.06294		
438805.14	3748787.97	0.07069	438803.16
3748750.85	0.07464		
438788.42	3748703.24	0.07594	438780.49
3748674.05	0.07654		
438768.87	3748645.43	0.07570	438751.58
3748620.50	0.07273		
438730.33	3748595.84	0.06882	438712.19
3748572.04	0.06568		
438693.49	3748548.80	0.06248	438676.77
3748525.00	0.05990		
438655.80	3748497.80	0.05681	438639.08
3748475.69	0.05450		
438619.53	3748452.46	0.05188	438600.26
3748429.79	0.04945		
438580.71	3748404.57	0.04710	438561.44
3748384.17	0.04496		
438540.75	3748363.76	0.04282	438520.92
3748341.09	0.04089		
438499.95	3748320.41	0.03899	438735.66
3748992.65	0.04098		
438675.26	3748985.08	0.03611	439331.05

3749107.64	0.14170		
439341.93	3749117.09	0.13635	439353.60
3749127.33	0.13046		
439366.09	3749137.37	0.12497	439375.72
3749143.92	0.12168		
439388.41	3749153.54	0.11655	439400.49
3749162.14	0.11216		
439413.60	3749169.92	0.10854	439425.68
3749178.11	0.10463		
439449.64	3749192.86	0.09808	439473.05
3749214.38	0.08865		
439800.83	3749040.52	0.23151	439873.79
3748887.43	0.83846		
439887.64	3748802.52	1.12145	440077.78
3748740.21	0.43349		
440019.17	3748682.06	0.59493	439929.64
3748601.76	0.80668		

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

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): VOL1 , VOL2
 , VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10
 , VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18
 , VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26
 , VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
439955.02	3748605.92	0.69747	439983.17
3748614.22	0.62429		
440006.24	3748617.45	0.57681	440071.32
3748624.38	0.47812		

440087.93	3748639.61	0.46461	440117.00
3748766.98	0.34524		
439940.25	3748575.00	0.78340	439996.09
3748506.23	0.59688		
440023.32	3748475.77	0.51376	440043.16
3748463.78	0.45327		
440054.70	3748448.55	0.41654	440063.47
3748429.62	0.38278		
440072.29	3748414.84	0.35275	440083.83
3748396.38	0.31875		
440096.29	3748378.84	0.28655	440105.06
3748361.76	0.26171		
440106.91	3748342.84	0.24267	440120.75
3748318.84	0.20930		
440122.71	3748286.94	0.18007	440117.33
3748252.65	0.15366		
440121.30	3748218.07	0.12641	440128.10
3748298.00	0.18652		
440266.27	3748117.44	0.07106	440165.45
3747898.52	0.02912		
440191.34	3747915.00	0.03115	440206.64
3747939.32	0.03332		
440247.44	3747944.82	0.03463	440266.66
3747950.70	0.03559		
440283.14	3747959.73	0.03687	440300.01
3747969.14	0.03808		
440321.20	3747989.15	0.04107	440293.34
3748093.90	0.06454		
440300.01	3748071.14	0.05769	440307.86
3748048.39	0.05206		
440314.13	3748028.38	0.04777	440320.02
3748006.80	0.04359		
440335.28	3747569.25	0.01291	440507.19
3748971.21	0.08594		
439956.03	3749044.31	0.16464	439952.87
3748770.03	0.75177		
438867.06	3748863.17	0.07696	

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

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2
 , VOL3 , VOL4 , VOL5 ,

	VOL6	, VOL7	, VOL8	, VOL9	, VOL10
, VOL11	, VOL12	, VOL13			
	VOL14	, VOL15	, VOL16	, VOL17	, VOL18
, VOL19	, VOL20	, VOL21			
	VOL22	, VOL23	, VOL24	, VOL25	, VOL26
, VOL27	, VOL28	, . . .			

*** DISCRETE CARTESIAN RECEPTOR POINTS

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

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
439259.97	3749072.65	10.42499	(14021809)	439277.61
3749070.69	11.27962	(14021809)		
439298.40	3749082.06	11.67281	(14021809)	439312.13
3749091.08	11.71578	(14021809)		
439321.93	3749098.54	11.61918	(14021809)	439240.72
3749074.67	9.53698	(14021809)		
439217.60	3749084.06	8.42262	(14021809)	439205.31
3749089.84	7.88788	(14021809)		
439192.07	3749096.35	7.36134	(14021809)	439179.54
3749103.09	7.03286	(13021809)		
439169.91	3749108.15	6.83478	(13021809)	439157.14
3749113.69	6.60939	(13021809)		
439137.63	3749079.00	6.94826	(13021809)	439113.31
3749079.24	6.59292	(13021809)		
439099.82	3749078.76	6.39294	(13021809)	439085.37
3749079.00	6.17218	(13021809)		
439071.88	3749078.76	5.97469	(13021809)	439045.63
3749077.56	5.60512	(13021809)		
438992.40	3749075.39	4.95734	(15012916)	438978.19
3749072.74	4.87225	(16120116)		
438963.01	3749071.06	4.78359	(16120116)	438947.12
3749069.13	4.69435	(16120116)		
438932.42	3749067.44	4.61310	(16120116)	438917.49
3749065.27	4.53715	(16120116)		
438902.80	3749063.11	4.46493	(16120116)	438888.11
3749060.22	4.40031	(16120116)		
438870.76	3749057.57	4.32058	(16120116)	438854.87
3749058.05	4.23003	(16120116)		
438838.01	3749060.22	4.12725	(16120116)	438779.48
3749017.83	4.06580	(16120116)		
438784.54	3749046.01	3.94427	(16120116)	438762.86
3749004.58	4.03026	(16120116)		
438815.85	3749066.24	3.97846	(16120116)	439042.50

3748895.54	7.51117	(13112716)	
439038.53	3748865.79	7.91358	(13112716) 438999.14
3748811.38	8.95768	(16120116)	
438921.22	3748750.74	9.11651	(13112716) 438794.05
3748719.90	5.78558	(15021709)	
438730.91	3748880.70	4.46066	(13112716) 438748.55
3748863.05	4.71956	(13112716)	
438764.63	3748843.83	4.99752	(13112716) 438785.55
3748816.73	5.33491	(13112716)	
438805.14	3748787.97	5.75542	(13112716) 438803.16
3748750.85	5.88203	(13112716)	
438788.42	3748703.24	5.95291	(15021709) 438780.49
3748674.05	6.17198	(15021709)	
438768.87	3748645.43	6.20289	(15021709) 438751.58
3748620.50	6.01728	(15021709)	
438730.33	3748595.84	5.71131	(15021709) 438712.19
3748572.04	5.39327	(15021709)	
438693.49	3748548.80	5.03612	(15021709) 438676.77
3748525.00	4.79168	(12012315)	
438655.80	3748497.80	4.60099	(12012315) 438639.08
3748475.69	4.42646	(12012315)	
438619.53	3748452.46	4.20877	(12012315) 438600.26
3748429.79	3.98474	(12012315)	
438580.71	3748404.57	3.73091	(12012315) 438561.44
3748384.17	3.51032	(12012315)	
438540.75	3748363.76	3.28709	(12012315) 438520.92
3748341.09	3.05262	(12012315)	
438499.95	3748320.41	2.96786	(12121315) 438735.66
3748992.65	3.90782	(16120116)	
438675.26	3748985.08	3.47293	(16120116) 439331.05
3749107.64	11.37783	(14021809)	
439341.93	3749117.09	11.10114	(14021809) 439353.60
3749127.33	10.74141	(14021809)	
439366.09	3749137.37	10.35856	(14021809) 439375.72
3749143.92	10.09071	(14021809)	
439388.41	3749153.54	9.66274	(14021809) 439400.49
3749162.14	9.26009	(14021809)	
439413.60	3749169.92	8.86831	(14021809) 439425.68
3749178.11	8.45705	(14021809)	
439449.64	3749192.86	8.00146	(16010615) 439473.05
3749214.38	7.75751	(13112916)	
439800.83	3749040.52	21.83945	(13112916) 439873.79
3748887.43	26.87340	(13112916)	
439887.64	3748802.52	26.52934	(12121716) 440077.78
3748740.21	16.48620	(13121916)	
440019.17	3748682.06	17.62669	(13121916) 439929.64
3748601.76	22.02464	(13121916)	

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

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2
, VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10
, VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18
, VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26
, VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

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

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
439955.02	3748605.92	20.28013	(13121916)	439983.17
3748614.22	19.23861	(13121916)		
440006.24	3748617.45	18.73350	(13121916)	440071.32
3748624.38	17.88096	(13121916)		
440087.93	3748639.61	16.70784	(13121916)	440117.00
3748766.98	14.71041	(13121916)		
439940.25	3748575.00	21.97686	(13121916)	439996.09
3748506.23	19.90015	(13121916)		
440023.32	3748475.77	19.78889	(12121716)	440043.16
3748463.78	18.17540	(12121716)		
440054.70	3748448.55	17.60639	(12121716)	440063.47
3748429.62	17.17295	(12121716)		
440072.29	3748414.84	16.48728	(12121716)	440083.83
3748396.38	15.74190	(12121716)		
440096.29	3748378.84	14.87339	(12121716)	440105.06
3748361.76	14.25869	(12121716)		
440106.91	3748342.84	13.92025	(12121716)	440120.75
3748318.84	12.70657	(12121716)		
440122.71	3748286.94	11.71218	(12121716)	440117.33
3748252.65	10.56369	(12121716)		
440121.30	3748218.07	8.95313	(12121716)	440128.10
3748298.00	11.85663	(12121716)		
440266.27	3748117.44	5.24302	(12121716)	440165.45
3747898.52	4.21380	(14120316)		

440191.34	3747915.00	4.34698	(14120316)	440206.64
3747939.32	4.13282	(14120316)		
440247.44	3747944.82	4.16959	(14120316)	440266.66
3747950.70	4.11403	(14120316)		
440283.14	3747959.73	4.01014	(14120316)	440300.01
3747969.14	3.83304	(14120316)		
440321.20	3747989.15	3.57564	(14120316)	440293.34
3748093.90	4.67674	(12121716)		
440300.01	3748071.14	3.96517	(12121716)	440307.86
3748048.39	3.45494	(14120316)		
440314.13	3748028.38	3.45535	(14120316)	440320.02
3748006.80	3.44151	(14120316)		
440335.28	3747569.25	2.61874	(14120316)	440507.19
3748971.21	4.27151	(14111116)		
439956.03	3749044.31	15.02571	(13112916)	439952.87
3748770.03	19.68210	(12121716)		
438867.06	3748863.17	5.95179	(13112716)	

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

*** THE SUMMARY OF MAXIMUM PERIOD (43848
 HRS) RESULTS ***

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

GROUP ID		NETWORK	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG)		OF TYPE	GRID-ID	

ALL	1ST HIGHEST VALUE IS		1.12145 AT (	439887.64, 3748802.52,
161.93,	1142.09, 2.00) DC			
	2ND HIGHEST VALUE IS		0.83846 AT (	439873.79, 3748887.43,
156.27,	1142.09, 2.00) DC			
	3RD HIGHEST VALUE IS		0.80668 AT (	439929.64, 3748601.76,
215.71,	1142.09, 2.00) DC			
	4TH HIGHEST VALUE IS		0.78340 AT (	439940.25, 3748575.00,
215.83,	1142.09, 2.00) DC			
	5TH HIGHEST VALUE IS		0.75177 AT (	439952.87, 3748770.03,
164.04,	1142.09, 2.00) DC			

6TH HIGHEST VALUE IS 0.69747 AT (439955.02, 3748605.92,
 216.91, 1142.09, 2.00) DC
 7TH HIGHEST VALUE IS 0.62429 AT (439983.17, 3748614.22,
 213.77, 1142.09, 2.00) DC
 8TH HIGHEST VALUE IS 0.59688 AT (439996.09, 3748506.23,
 215.92, 1142.09, 2.00) DC
 9TH HIGHEST VALUE IS 0.59493 AT (440019.17, 3748682.06,
 178.19, 1142.09, 2.00) DC
 10TH HIGHEST VALUE IS 0.57681 AT (440006.24, 3748617.45,
 211.25, 1142.09, 2.00) DC

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

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

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

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

**

GROUP ID	AVERAGE CONC	DATE	RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE NETWORK GRID-ID	(YYMMDDHH)	
- - - - -	- - - - -	- - - - -	- - - - -
- - - - -	- - - - -	- - - - -	- - - - -

ALL HIGH 1ST HIGH VALUE IS 26.87340 ON 13112916: AT (439873.79,
 3748887.43, 156.27, 1142.09, 2.00) DC

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

^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
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*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
 A Total of 2 Warning Message(s)
 A Total of 1638 Informational Message(s)

 A Total of 43848 Hours Were Processed

 A Total of 1039 Calm Hours Identified

 A Total of 599 Missing Hours Identified (1.37 Percent)

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

***** WARNING MESSAGES *****
 ME W186 1085 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
 0.50
 ME W187 1085 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 *** AERMOD Finishes Successfully ***

**

**

** AERMOD Input Produced by:
 ** AERMOD View Ver. 12.0.0
 ** Lakes Environmental Software Inc.
 ** Date: 6/11/2024
 ** File: C:\Users\adadabhoy\Desktop\AERMOD\12630 Green River Ranch\12630 Cons LST
 PM10\12630 Cons LST PM10.ADI

**

**

**

** AERMOD Control Pathway

**

**

CO STARTING
 TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\12630 Green River Ranch\12630 0
 MODELOPT DFAULT CONC
 AVERTIME 24
 URBANOPT 2189641 Riverside_County
 POLLUTID PM_10
 FLAGPOLE 2.00
 RUNORNOT RUN
 ERRORFIL "12630 Cons LST PM10.err"

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION VOL1	VOLUME	439309.748	3748858.376	161.250
LOCATION VOL2	VOLUME	439374.128	3748922.763	156.930
LOCATION VOL3	VOLUME	439455.801	3748932.328	154.240
LOCATION VOL4	VOLUME	439463.159	3748879.351	157.760
LOCATION VOL5	VOLUME	439391.051	3748849.183	160.760
LOCATION VOL6	VOLUME	439538.210	3748941.894	153.630
LOCATION VOL7	VOLUME	439791.324	3748855.070	157.420
LOCATION VOL8	VOLUME	439711.122	3748854.334	157.470
LOCATION VOL9	VOLUME	439633.128	3748853.598	157.760
LOCATION VOL10	VOLUME	439551.455	3748852.127	158.730
LOCATION VOL11	VOLUME	439793.532	3748775.604	163.250
LOCATION VOL12	VOLUME	439712.594	3748774.868	161.370
LOCATION VOL13	VOLUME	439632.392	3748774.132	162.310
LOCATION VOL14	VOLUME	439552.190	3748773.396	163.870
LOCATION VOL15	VOLUME	439471.989	3748772.661	162.240
LOCATION VOL16	VOLUME	439391.051	3748771.925	164.850
LOCATION VOL17	VOLUME	439310.849	3748769.717	165.560
LOCATION VOL18	VOLUME	439121.750	3748688.044	178.040
LOCATION VOL19	VOLUME	439202.687	3748688.044	176.120
LOCATION VOL20	VOLUME	439283.625	3748689.516	171.580
LOCATION VOL21	VOLUME	439365.298	3748690.251	170.660
LOCATION VOL22	VOLUME	439446.972	3748692.459	169.250
LOCATION VOL23	VOLUME	439528.645	3748693.930	171.250
LOCATION VOL24	VOLUME	439610.318	3748694.666	167.770
LOCATION VOL25	VOLUME	439691.992	3748693.195	166.370
LOCATION VOL26	VOLUME	439772.929	3748693.195	175.080
LOCATION VOL27	VOLUME	439822.963	3748612.993	188.660
LOCATION VOL28	VOLUME	439743.497	3748613.729	173.330
LOCATION VOL29	VOLUME	439662.560	3748612.993	177.500
LOCATION VOL30	VOLUME	439583.094	3748613.729	177.610
LOCATION VOL31	VOLUME	439502.156	3748613.729	180.210

LOCATION VOL32	VOLUME	439421.219	3748612.993	175.050
LOCATION VOL33	VOLUME	439341.753	3748613.729	180.220
LOCATION VOL34	VOLUME	439260.815	3748613.729	185.530
LOCATION VOL35	VOLUME	439180.613	3748611.521	196.860
LOCATION VOL36	VOLUME	439132.787	3748609.314	188.370
LOCATION VOL37	VOLUME	439132.051	3748527.640	198.180
LOCATION VOL38	VOLUME	439212.988	3748528.376	207.120
LOCATION VOL39	VOLUME	439291.719	3748530.584	210.020
LOCATION VOL40	VOLUME	439372.656	3748531.319	192.510
LOCATION VOL41	VOLUME	439453.594	3748530.584	191.060
LOCATION VOL42	VOLUME	439535.267	3748532.791	202.180
LOCATION VOL43	VOLUME	439616.205	3748533.527	177.120
LOCATION VOL44	VOLUME	439697.142	3748532.791	199.900
LOCATION VOL45	VOLUME	439778.080	3748534.998	179.030
LOCATION VOL46	VOLUME	439821.492	3748532.055	188.360
LOCATION VOL48	VOLUME	439213.724	3748448.174	212.290
LOCATION VOL49	VOLUME	439293.926	3748449.646	227.840
LOCATION VOL50	VOLUME	439373.392	3748451.118	194.220
LOCATION VOL51	VOLUME	439452.858	3748449.646	203.050
LOCATION VOL52	VOLUME	439534.531	3748451.118	218.960
LOCATION VOL53	VOLUME	439614.733	3748453.325	186.120
LOCATION VOL54	VOLUME	439696.407	3748454.797	204.900
LOCATION VOL55	VOLUME	439780.287	3748453.325	199.550
LOCATION VOL58	VOLUME	439290.247	3748369.444	229.260
LOCATION VOL59	VOLUME	439370.449	3748369.444	199.150
LOCATION VOL60	VOLUME	439451.386	3748370.916	231.160
LOCATION VOL61	VOLUME	439533.796	3748370.916	220.080
LOCATION VOL62	VOLUME	439613.997	3748373.123	193.690
LOCATION VOL63	VOLUME	439693.463	3748374.595	208.120
LOCATION PAREA1	AREAPOLY	439091.244	3748578.182	190.000

** Source Parameters **

SRCPARAM VOL1	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL2	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL3	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL4	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL5	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL6	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL7	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL8	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL9	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL10	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL11	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL12	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL13	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL14	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL15	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL16	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL17	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL18	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL19	0.0009471723	5.000	18.651	1.400

SRCPARAM VOL20	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL21	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL22	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL23	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL24	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL25	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL26	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL27	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL28	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL29	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL30	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL31	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL32	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL33	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL34	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL35	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL36	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL37	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL38	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL39	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL40	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL41	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL42	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL43	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL44	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL45	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL46	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL48	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL49	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL50	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL51	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL52	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL53	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL54	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL55	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL58	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL59	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL60	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL61	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL62	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL63	0.0009471723	5.000	18.651	1.400
SRCPARAM PAREA1	4.3635E-07	0.000	64	1.000
AREAVERT PAREA1	439091.244	3748578.182	439088.080	3748363.000
AREAVERT PAREA1	439286.033	3748392.535	439619.705	3748395.699
AREAVERT PAREA1	439651.701	3748359.133	439821.525	3748499.774
AREAVERT PAREA1	439844.028	3748499.774	439861.960	3748549.350
AREAVERT PAREA1	439859.850	3748602.794	439869.695	3748624.593
AREAVERT PAREA1	439853.873	3748646.393	439821.174	3748669.950
AREAVERT PAREA1	439820.822	3748696.321	439871.453	3748745.897
AREAVERT PAREA1	439856.334	3748766.641	439843.676	3748788.441

AREAVERT	PAREA1	439835.941	3748813.053	439831.018	3748839.775
AREAVERT	PAREA1	439830.667	3748890.406	439822.228	3748898.844
AREAVERT	PAREA1	439621.463	3748910.096	439601.421	3748906.228
AREAVERT	PAREA1	439592.631	3748956.507	439457.967	3748963.540
AREAVERT	PAREA1	439406.281	3748938.576	439367.956	3748918.534
AREAVERT	PAREA1	439346.508	3748900.602	439322.951	3748874.935
AREAVERT	PAREA1	439313.809	3748860.168	439370.066	3748819.382
AREAVERT	PAREA1	439399.249	3748814.460	439407.687	3748816.921
AREAVERT	PAREA1	439414.720	3748819.030	439457.264	3748846.104
AREAVERT	PAREA1	439472.734	3748858.058	439484.689	3748856.300
AREAVERT	PAREA1	439591.576	3748955.101	439602.124	3748901.306
AREAVERT	PAREA1	439587.357	3748897.438	439557.119	3748880.209
AREAVERT	PAREA1	439536.726	3748861.574	439483.282	3748814.460
AREAVERT	PAREA1	439454.451	3748792.660	439443.199	3748786.331
AREAVERT	PAREA1	439427.026	3748779.651	439410.149	3748774.377
AREAVERT	PAREA1	439391.865	3748770.861	439377.450	3748770.509
AREAVERT	PAREA1	439364.792	3748771.564	439351.431	3748774.728
AREAVERT	PAREA1	439307.832	3748785.276	439305.371	3748779.651
AREAVERT	PAREA1	439288.142	3748768.751	439275.133	3748764.180
AREAVERT	PAREA1	439275.133	3748760.664	439241.730	3748752.577
AREAVERT	PAREA1	439199.890	3748742.381	439168.597	3748726.910
AREAVERT	PAREA1	439155.236	3748716.010	439138.007	3748700.188
AREAVERT	PAREA1	439127.459	3748685.069	439113.747	3748655.886
AREAVERT	PAREA1	439103.902	3748617.561	439096.166	3748577.127
URBANSRC	ALL				

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

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL2	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL3	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL4	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT 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

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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

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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 PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA1	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL	
SO FINISHED	
**	

** AERMOD Receptor Pathway	

**	

```

**
RE STARTING
  INCLUDED "12630 Cons LST PM10.rou"
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
  SURFFILE KRAL_V9_ADJU\KRAL_v9.SFC
  PROFFILE KRAL_V9_ADJU\KRAL_v9.PFL
  SURFDATA 3171 2012
  UAIRDATA 3190 2012
  PROFBASE 245.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 24 1ST
** Auto-Generated Plotfiles
  PLOTFILE 24 ALL 1ST "12630 CONS LST PM10.AD\24H1GALL.PLT" 31
  SUMMFILE "12630 Cons LST PM10.sum"
OU FINISHED
**
*****
** Project Parameters
*****
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 6/11/2024
** File: C:\Users\adadabhoy\Desktop\AERMOD\12630 Green River Ranch\12630 Cons LST

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PM10\12630 Cons LST PM10.ADI

**

**

**

** AERMOD Control Pathway

**

**

CO STARTING

TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\12630 Green River Ranch\12630 0

MODELOPT DFAULT CONC

AVERTIME 24

URBANOPT 2189641 Riverside_County

POLLUTID PM_10

FLAGPOLE 2.00

RUNORNOT RUN

ERRORFIL "12630 Cons LST PM10.err"

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION VOL1	VOLUME	439309.748	3748858.376	161.250
LOCATION VOL2	VOLUME	439374.128	3748922.763	156.930
LOCATION VOL3	VOLUME	439455.801	3748932.328	154.240
LOCATION VOL4	VOLUME	439463.159	3748879.351	157.760
LOCATION VOL5	VOLUME	439391.051	3748849.183	160.760
LOCATION VOL6	VOLUME	439538.210	3748941.894	153.630
LOCATION VOL7	VOLUME	439791.324	3748855.070	157.420
LOCATION VOL8	VOLUME	439711.122	3748854.334	157.470
LOCATION VOL9	VOLUME	439633.128	3748853.598	157.760
LOCATION VOL10	VOLUME	439551.455	3748852.127	158.730
LOCATION VOL11	VOLUME	439793.532	3748775.604	163.250
LOCATION VOL12	VOLUME	439712.594	3748774.868	161.370
LOCATION VOL13	VOLUME	439632.392	3748774.132	162.310
LOCATION VOL14	VOLUME	439552.190	3748773.396	163.870
LOCATION VOL15	VOLUME	439471.989	3748772.661	162.240
LOCATION VOL16	VOLUME	439391.051	3748771.925	164.850
LOCATION VOL17	VOLUME	439310.849	3748769.717	165.560
LOCATION VOL18	VOLUME	439121.750	3748688.044	178.040
LOCATION VOL19	VOLUME	439202.687	3748688.044	176.120
LOCATION VOL20	VOLUME	439283.625	3748689.516	171.580
LOCATION VOL21	VOLUME	439365.298	3748690.251	170.660

LOCATION VOL22	VOLUME	439446.972	3748692.459	169.250
LOCATION VOL23	VOLUME	439528.645	3748693.930	171.250
LOCATION VOL24	VOLUME	439610.318	3748694.666	167.770
LOCATION VOL25	VOLUME	439691.992	3748693.195	166.370
LOCATION VOL26	VOLUME	439772.929	3748693.195	175.080
LOCATION VOL27	VOLUME	439822.963	3748612.993	188.660
LOCATION VOL28	VOLUME	439743.497	3748613.729	173.330
LOCATION VOL29	VOLUME	439662.560	3748612.993	177.500
LOCATION VOL30	VOLUME	439583.094	3748613.729	177.610
LOCATION VOL31	VOLUME	439502.156	3748613.729	180.210
LOCATION VOL32	VOLUME	439421.219	3748612.993	175.050
LOCATION VOL33	VOLUME	439341.753	3748613.729	180.220
LOCATION VOL34	VOLUME	439260.815	3748613.729	185.530
LOCATION VOL35	VOLUME	439180.613	3748611.521	196.860
LOCATION VOL36	VOLUME	439132.787	3748609.314	188.370
LOCATION VOL37	VOLUME	439132.051	3748527.640	198.180
LOCATION VOL38	VOLUME	439212.988	3748528.376	207.120
LOCATION VOL39	VOLUME	439291.719	3748530.584	210.020
LOCATION VOL40	VOLUME	439372.656	3748531.319	192.510
LOCATION VOL41	VOLUME	439453.594	3748530.584	191.060
LOCATION VOL42	VOLUME	439535.267	3748532.791	202.180
LOCATION VOL43	VOLUME	439616.205	3748533.527	177.120
LOCATION VOL44	VOLUME	439697.142	3748532.791	199.900
LOCATION VOL45	VOLUME	439778.080	3748534.998	179.030
LOCATION VOL46	VOLUME	439821.492	3748532.055	188.360
LOCATION VOL48	VOLUME	439213.724	3748448.174	212.290
LOCATION VOL49	VOLUME	439293.926	3748449.646	227.840
LOCATION VOL50	VOLUME	439373.392	3748451.118	194.220
LOCATION VOL51	VOLUME	439452.858	3748449.646	203.050
LOCATION VOL52	VOLUME	439534.531	3748451.118	218.960
LOCATION VOL53	VOLUME	439614.733	3748453.325	186.120
LOCATION VOL54	VOLUME	439696.407	3748454.797	204.900
LOCATION VOL55	VOLUME	439780.287	3748453.325	199.550
LOCATION VOL58	VOLUME	439290.247	3748369.444	229.260
LOCATION VOL59	VOLUME	439370.449	3748369.444	199.150
LOCATION VOL60	VOLUME	439451.386	3748370.916	231.160
LOCATION VOL61	VOLUME	439533.796	3748370.916	220.080
LOCATION VOL62	VOLUME	439613.997	3748373.123	193.690
LOCATION VOL63	VOLUME	439693.463	3748374.595	208.120
LOCATION PAREA1	AREAPOLY	439091.244	3748578.182	190.000

** Source Parameters **

SRCPARAM VOL1	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL2	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL3	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL4	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL5	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL6	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL7	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL8	0.0009471723	5.000	18.651	1.400
SRCPARAM VOL9	0.0009471723	5.000	18.651	1.400

[illegible]

SRCPARAM	VOL63	0.0009471723	5.000	18.651	1.400
SRCPARAM	PAREA1	4.3635E-07	0.000	64	1.000
AREAVERT	PAREA1	439091.244	3748578.182	439088.080	3748363.000
AREAVERT	PAREA1	439286.033	3748392.535	439619.705	3748395.699
AREAVERT	PAREA1	439651.701	3748359.133	439821.525	3748499.774
AREAVERT	PAREA1	439844.028	3748499.774	439861.960	3748549.350
AREAVERT	PAREA1	439859.850	3748602.794	439869.695	3748624.593
AREAVERT	PAREA1	439853.873	3748646.393	439821.174	3748669.950
AREAVERT	PAREA1	439820.822	3748696.321	439871.453	3748745.897
AREAVERT	PAREA1	439856.334	3748766.641	439843.676	3748788.441
AREAVERT	PAREA1	439835.941	3748813.053	439831.018	3748839.775
AREAVERT	PAREA1	439830.667	3748890.406	439822.228	3748898.844
AREAVERT	PAREA1	439621.463	3748910.096	439601.421	3748906.228
AREAVERT	PAREA1	439592.631	3748956.507	439457.967	3748963.540
AREAVERT	PAREA1	439406.281	3748938.576	439367.956	3748918.534
AREAVERT	PAREA1	439346.508	3748900.602	439322.951	3748874.935
AREAVERT	PAREA1	439313.809	3748860.168	439370.066	3748819.382
AREAVERT	PAREA1	439399.249	3748814.460	439407.687	3748816.921
AREAVERT	PAREA1	439414.720	3748819.030	439457.264	3748846.104
AREAVERT	PAREA1	439472.734	3748858.058	439484.689	3748856.300
AREAVERT	PAREA1	439591.576	3748955.101	439602.124	3748901.306
AREAVERT	PAREA1	439587.357	3748897.438	439557.119	3748880.209
AREAVERT	PAREA1	439536.726	3748861.574	439483.282	3748814.460
AREAVERT	PAREA1	439454.451	3748792.660	439443.199	3748786.331
AREAVERT	PAREA1	439427.026	3748779.651	439410.149	3748774.377
AREAVERT	PAREA1	439391.865	3748770.861	439377.450	3748770.509
AREAVERT	PAREA1	439364.792	3748771.564	439351.431	3748774.728
AREAVERT	PAREA1	439307.832	3748785.276	439305.371	3748779.651
AREAVERT	PAREA1	439288.142	3748768.751	439275.133	3748764.180
AREAVERT	PAREA1	439275.133	3748760.664	439241.730	3748752.577
AREAVERT	PAREA1	439199.890	3748742.381	439168.597	3748726.910
AREAVERT	PAREA1	439155.236	3748716.010	439138.007	3748700.188
AREAVERT	PAREA1	439127.459	3748685.069	439113.747	3748655.886
AREAVERT	PAREA1	439103.902	3748617.561	439096.166	3748577.127
URBANSRC	ALL				

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

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

[illegible]

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
** 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

[illegible]

[illegible]

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

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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
** Sunday:	
EMISFACT VOL31	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

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EMISFACT VOL38	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL38	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL38	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL38	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL38	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL38	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL38	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL39	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL39	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL39	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL39	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL39	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL39	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL39	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL39	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL39	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL39	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL39	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL39	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL40	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL40	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL40	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL40	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL40	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL41	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL41	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL41	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL41	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL41	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

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[illegible]

EMISFACT VOL49	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL49	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL49	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL49	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL49	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL49	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL49	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL50	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL50	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL50	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL50	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL50	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL50	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL50	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL50	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL50	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL50	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL50	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL50	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL51	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL52	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

[illegible]

[illegible]

EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
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 PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA1	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

EMISFACT PAREA1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "12630 Cons LST PM10.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE KRAL_V9_ADJU\KRAL_v9.SFC

PROFFILE KRAL_V9_ADJU\KRAL_v9.PFL

SURFDATA 3171 2012

UAIRDATA 3190 2012

PROFBASE 245.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 24 1ST

** Auto-Generated Plotfiles

PLOTFILE 24 ALL 1ST "12630 CONS LST PM10.AD\24H1GALL.PLT" 31

SUMMFILE "12630 Cons LST PM10.sum"

OU FINISHED

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

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

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

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

***** WARNING MESSAGES *****
ME W186 1134 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 1134 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 09:12:12

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

*** MODEL SETUP OPTIONS SUMMARY

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 61 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: PM_10

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 61 Source(s); 1 Source Group(s); and 121 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 60 VOLUME source(s)
and: 1 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

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

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

**Approximate Storage Requirements of Model = 3.7 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: 12630 Cons LST PM10.err

**File for Summary of Results: 12630 Cons LST PM10.sum

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/11/24
 *** AERMET - VERSION 16216 *** ***
 *** 09:12:12

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

*** VOLUME SOURCE DATA ***

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

VOL1		0	0.94717E-03	439309.7	3748858.4	161.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL2		0	0.94717E-03	439374.1	3748922.8	156.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL3		0	0.94717E-03	439455.8	3748932.3	154.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL4		0	0.94717E-03	439463.2	3748879.4	157.8	5.00	18.65
1.40	YES	HRDOW	NO					
VOL5		0	0.94717E-03	439391.1	3748849.2	160.8	5.00	18.65
1.40	YES	HRDOW	NO					
VOL6		0	0.94717E-03	439538.2	3748941.9	153.6	5.00	18.65
1.40	YES	HRDOW	NO					
VOL7		0	0.94717E-03	439791.3	3748855.1	157.4	5.00	18.65
1.40	YES	HRDOW	NO					
VOL8		0	0.94717E-03	439711.1	3748854.3	157.5	5.00	18.65
1.40	YES	HRDOW	NO					
VOL9		0	0.94717E-03	439633.1	3748853.6	157.8	5.00	18.65
1.40	YES	HRDOW	NO					
VOL10		0	0.94717E-03	439551.5	3748852.1	158.7	5.00	18.65
1.40	YES	HRDOW	NO					
VOL11		0	0.94717E-03	439793.5	3748775.6	163.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL12		0	0.94717E-03	439712.6	3748774.9	161.4	5.00	18.65
1.40	YES	HRDOW	NO					
VOL13		0	0.94717E-03	439632.4	3748774.1	162.3	5.00	18.65
1.40	YES	HRDOW	NO					
VOL14		0	0.94717E-03	439552.2	3748773.4	163.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL15		0	0.94717E-03	439472.0	3748772.7	162.2	5.00	18.65

1.40	YES	HRDOW	NO					
VOL16		0	0.94717E-03	439391.1	3748771.9	164.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL17		0	0.94717E-03	439310.8	3748769.7	165.6	5.00	18.65
1.40	YES	HRDOW	NO					
VOL18		0	0.94717E-03	439121.8	3748688.0	178.0	5.00	18.65
1.40	YES	HRDOW	NO					
VOL19		0	0.94717E-03	439202.7	3748688.0	176.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL20		0	0.94717E-03	439283.6	3748689.5	171.6	5.00	18.65
1.40	YES	HRDOW	NO					
VOL21		0	0.94717E-03	439365.3	3748690.3	170.7	5.00	18.65
1.40	YES	HRDOW	NO					
VOL22		0	0.94717E-03	439447.0	3748692.5	169.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL23		0	0.94717E-03	439528.6	3748693.9	171.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL24		0	0.94717E-03	439610.3	3748694.7	167.8	5.00	18.65
1.40	YES	HRDOW	NO					
VOL25		0	0.94717E-03	439692.0	3748693.2	166.4	5.00	18.65
1.40	YES	HRDOW	NO					
VOL26		0	0.94717E-03	439772.9	3748693.2	175.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL27		0	0.94717E-03	439823.0	3748613.0	188.7	5.00	18.65
1.40	YES	HRDOW	NO					
VOL28		0	0.94717E-03	439743.5	3748613.7	173.3	5.00	18.65
1.40	YES	HRDOW	NO					
VOL29		0	0.94717E-03	439662.6	3748613.0	177.5	5.00	18.65
1.40	YES	HRDOW	NO					
VOL30		0	0.94717E-03	439583.1	3748613.7	177.6	5.00	18.65
1.40	YES	HRDOW	NO					
VOL31		0	0.94717E-03	439502.2	3748613.7	180.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL32		0	0.94717E-03	439421.2	3748613.0	175.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL33		0	0.94717E-03	439341.8	3748613.7	180.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL34		0	0.94717E-03	439260.8	3748613.7	185.5	5.00	18.65
1.40	YES	HRDOW	NO					
VOL35		0	0.94717E-03	439180.6	3748611.5	196.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL36		0	0.94717E-03	439132.8	3748609.3	188.4	5.00	18.65
1.40	YES	HRDOW	NO					
VOL37		0	0.94717E-03	439132.1	3748527.6	198.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL38		0	0.94717E-03	439213.0	3748528.4	207.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL39		0	0.94717E-03	439291.7	3748530.6	210.0	5.00	18.65
1.40	YES	HRDOW	NO					
VOL40		0	0.94717E-03	439372.7	3748531.3	192.5	5.00	18.65

1.40 YES HRDOW NO

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

*** VOLUME SOURCE DATA ***

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

VOL41		0	0.94717E-03	439453.6	3748530.6	191.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL42		0	0.94717E-03	439535.3	3748532.8	202.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL43		0	0.94717E-03	439616.2	3748533.5	177.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL44		0	0.94717E-03	439697.1	3748532.8	199.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL45		0	0.94717E-03	439778.1	3748535.0	179.0	5.00	18.65
1.40	YES	HRDOW	NO					
VOL46		0	0.94717E-03	439821.5	3748532.1	188.4	5.00	18.65
1.40	YES	HRDOW	NO					
VOL48		0	0.94717E-03	439213.7	3748448.2	212.3	5.00	18.65
1.40	YES	HRDOW	NO					
VOL49		0	0.94717E-03	439293.9	3748449.6	227.8	5.00	18.65
1.40	YES	HRDOW	NO					
VOL50		0	0.94717E-03	439373.4	3748451.1	194.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL51		0	0.94717E-03	439452.9	3748449.6	203.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL52		0	0.94717E-03	439534.5	3748451.1	219.0	5.00	18.65
1.40	YES	HRDOW	NO					
VOL53		0	0.94717E-03	439614.7	3748453.3	186.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL54		0	0.94717E-03	439696.4	3748454.8	204.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL55		0	0.94717E-03	439780.3	3748453.3	199.6	5.00	18.65
1.40	YES	HRDOW	NO					
VOL58		0	0.94717E-03	439290.2	3748369.4	229.3	5.00	18.65

1.40	YES	HRDOW	NO					
VOL59		0	0.94717E-03	439370.4	3748369.4	199.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL60		0	0.94717E-03	439451.4	3748370.9	231.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL61		0	0.94717E-03	439533.8	3748370.9	220.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL62		0	0.94717E-03	439614.0	3748373.1	193.7	5.00	18.65
1.40	YES	HRDOW	NO					
VOL63		0	0.94717E-03	439693.5	3748374.6	208.1	5.00	18.65
1.40	YES	HRDOW	NO					

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

*** AREAPOLY SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	LOCATION OF AREA	BASE	RELEASE	NUMBER
SOURCE	SOURCE	EMISSION RATE (GRAMS/SEC VARY	AIRCRAFT X Y	ELEV.	HEIGHT	OF VERTS.
SZ	CATS.	SCALAR /METER**2)	(METERS) (METERS)	(METERS)	(METERS)	
ID	BY					
(METERS)						

PAREA1	0	0.43635E-06	439091.2	3748578.2	190.0	0.00	64
1.00	YES	HRDOW	NO				

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

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

ALL VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,

VOL6	, VOL7	, VOL8	,			
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	,
VOL14	, VOL15	, VOL16	,			
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	,
VOL22	, VOL23	, VOL24	,			
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	,
VOL30	, VOL31	, VOL32	,			
	VOL33	, VOL34	, VOL35	, VOL36	, VOL37	,
VOL38	, VOL39	, VOL40	,			
	VOL41	, VOL42	, VOL43	, VOL44	, VOL45	,
VOL46	, VOL48	, VOL49	,			
	VOL50	, VOL51	, VOL52	, VOL53	, VOL54	,
VOL55	, VOL58	, VOL59	,			
	VOL60	, VOL61	, VOL62	, VOL63	, PAREA1	,

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

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs				
-----	-----	-----				
	2189641.	VOL1	, VOL2	, VOL3	, VOL4	,
VOL5	, VOL6	, VOL7	,			
VOL8	,					
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	,
VOL14	, VOL15	, VOL16	,			
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	,
VOL22	, VOL23	, VOL24	,			
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	,
VOL30	, VOL31	, VOL32	,			

VOL38 VOL33 , VOL34 , VOL35 , VOL36 , VOL37 ,
 , VOL39 , VOL40 ,
 VOL41 , VOL42 , VOL43 , VOL44 , VOL45 ,
 VOL46 , VOL48 , VOL49 ,
 VOL50 , VOL51 , VOL52 , VOL53 , VOL54 ,
 VOL55 , VOL58 , VOL59 ,

 VOL60 , VOL61 , VOL62 , VOL63 , PAREA1 ,
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
 14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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

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

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

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24

*** AERMET - VERSION 16216 ***

09:12:12

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

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

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :

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

*** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/11/24
 *** AERMET - VERSION 16216 *** ***
 *** 09:12:12

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

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

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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Green River Ranch\12630 0 ***          06/11/24
*** AERMET - VERSION 16216 ***      ***
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***                                09:12:12

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ U*

SOURCE ID = VOL8				; SOURCE TYPE = VOLUME	:						
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR						

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 09:12:12

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

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

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SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
-----
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 09:12:12

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

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

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -

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

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

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

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 Green River Ranch\12630 0 *** 06/11/24
 *** AERMET - VERSION 16216 *** ***
 *** 09:12:12

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

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

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

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01

14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 09:12:12

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

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

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

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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    9 .0000E+00  10 .0000E+00  11 .0000E+00  12 .0000E+00  13 .0000E+00
14 .0000E+00  15 .0000E+00  16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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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
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
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09:12:12

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

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

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

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

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

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

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 09:12:12

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

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

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

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

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 09:12:12

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

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

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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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
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 09:12:12

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

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

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SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
  1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
  9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
  17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
  1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
  17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
  1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
  17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 09:12:12

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

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

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/11/24
 *** AERMET - VERSION 16216 *** ***
 *** 09:12:12

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 09:12:12

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

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

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 *** ***
*** 09:12:12

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

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

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

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

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

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

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Green River Ranch\12630 0 *** 06/11/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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

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

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

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*** 09:12:12

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

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

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 ***
*** 09:12:12

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

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

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -

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- - - - -
                                DAY OF WEEK = WEEKDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6  .0000E+00    7 .0000E+00    8 .0000E+00
      9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SATURDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6  .0000E+00    7 .0000E+00    8 .0000E+00
      9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SUNDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6  .0000E+00    7 .0000E+00    8 .0000E+00
      9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
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09:12:12

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

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

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SOURCE ID = VOL27          ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -

```

```

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

```

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

DAY OF WEEK = SUNDAY

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

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*** AERMET - VERSION 16216 ***

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

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

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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Green River Ranch\12630 0 *** 06/11/24

*** AERMET - VERSION 16216 ***

09:12:12

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

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

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

▲ *** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/11/24

*** AERMET - VERSION 16216 ***

*** 09:12:12

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

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

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/11/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL31				; SOURCE TYPE = VOLUME					
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				
- - - - -									
- - - - -									

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 23132 ***
 Green River Ranch\12630 0 ***
 *** AERMET - VERSION 16216 ***

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

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

*** AERMOD - VERSION 23132 ***
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 *** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** AERMET - VERSION 16216 *** ***
*** 09:12:12

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				

9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/11/24
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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :									
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				
- - - - -									
- - - - -									

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

```

6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 09:12:12

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

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SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
-----
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 09:12:12

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

```

SOURCE ID = VOL37          ; SOURCE TYPE = VOLUME      :
  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR
HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
      9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
- - - - - DAY OF WEEK = SATURDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
      9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
- - - - - DAY OF WEEK = SUNDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
      9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
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*** 09:12:12

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

```

SOURCE ID = VOL38          ; SOURCE TYPE = VOLUME      :
  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR
HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
      9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 09:12:12

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00


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14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 09:12:12

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

```

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 09:12:12

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SATURDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SUNDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.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 ***

*** C:\Users\Michael Tirohn\Desktop\HRAs\12630
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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL42 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** 09:12:12

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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Green River Ranch\12630 0 *** 06/11/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 09:12:12

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL49 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 09:12:12

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL50 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

```

- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
    17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SATURDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

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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

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14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = 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

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL53 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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Green River Ranch\12630 0 *** 06/11/24

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL54 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
 OF WEEK (HRDOW) *

SOURCE ID = VOL55 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = 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

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*** AERMET - VERSION 16216 ***

*** 09:12:12

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01
11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01
16	.1000E+01	17	.0000E+00	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
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00
11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.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
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00
11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.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
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00
11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL60 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ U*

SOURCE ID = VOL61				; SOURCE TYPE = VOLUME		:					
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR						

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL62 ; SOURCE TYPE = VOLUME :									
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SATURDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SUNDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

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SOURCE ID = VOL63          ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
                                DAY OF WEEK = WEEKDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
      9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SATURDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
      9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SUNDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
      9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

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SOURCE ID = PAREA1        ; SOURCE TYPE = AREAPOLY :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
                                DAY OF WEEK = WEEKDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
      9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01

```


14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 09:12:12

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(439260.0, 3749072.6, 149.6, 1142.1, 2.0); (439277.6,
 3749070.7, 149.3, 1142.1, 2.0);
 (439298.4, 3749082.1, 148.2, 1142.1, 2.0); (439312.1,
 3749091.1, 147.4, 1142.1, 2.0);
 (439321.9, 3749098.5, 146.8, 1142.1, 2.0); (439240.7,
 3749074.7, 149.8, 1142.1, 2.0);
 (439217.6, 3749084.1, 149.2, 1142.1, 2.0); (439205.3,
 3749089.8, 148.8, 1142.1, 2.0);
 (439192.1, 3749096.3, 148.3, 1142.1, 2.0); (439179.5,
 3749103.1, 147.9, 1142.1, 2.0);
 (439169.9, 3749108.1, 147.6, 1142.1, 2.0); (439157.1,
 3749113.7, 147.2, 1142.1, 2.0);
 (439137.6, 3749079.0, 150.0, 1142.1, 2.0); (439113.3,
 3749079.2, 150.5, 1142.1, 2.0);
 (439099.8, 3749078.8, 150.5, 1142.1, 2.0); (439085.4,
 3749079.0, 150.6, 1142.1, 2.0);
 (439071.9, 3749078.8, 150.9, 1142.1, 2.0); (439045.6,
 3749077.6, 152.1, 1142.1, 2.0);
 (438992.4, 3749075.4, 153.1, 1142.1, 2.0); (438978.2,
 3749072.7, 153.3, 1142.1, 2.0);
 (438963.0, 3749071.1, 153.5, 1142.1, 2.0); (438947.1,

3749069.1,	153.6,	1142.1,	2.0);		
(438932.4,	3749067.4,	153.6,	1142.1,	2.0);	(438917.5,
3749065.3,	153.7,	1142.1,	2.0);		
(438902.8,	3749063.1,	153.6,	1142.1,	2.0);	(438888.1,
3749060.2,	153.2,	1142.1,	2.0);		
(438870.8,	3749057.6,	153.0,	1142.1,	2.0);	(438854.9,
3749058.0,	153.0,	1142.1,	2.0);		
(438838.0,	3749060.2,	153.3,	1142.1,	2.0);	(438779.5,
3749017.8,	155.3,	1142.1,	2.0);		
(438784.5,	3749046.0,	155.3,	1142.1,	2.0);	(438762.9,
3749004.6,	155.4,	1142.1,	2.0);		
(438815.8,	3749066.2,	153.8,	1142.1,	2.0);	(439042.5,
3748895.5,	160.7,	1142.1,	2.0);		
(439038.5,	3748865.8,	163.8,	1142.1,	2.0);	(438999.1,
3748811.4,	169.3,	1142.1,	2.0);		
(438921.2,	3748750.7,	169.3,	1142.1,	2.0);	(438794.0,
3748719.9,	136.3,	1142.1,	2.0);		
(438730.9,	3748880.7,	139.1,	1142.1,	2.0);	(438748.5,
3748863.0,	139.0,	1142.1,	2.0);		
(438764.6,	3748843.8,	139.2,	1142.1,	2.0);	(438785.5,
3748816.7,	136.1,	1142.1,	2.0);		
(438805.1,	3748788.0,	136.7,	1142.1,	2.0);	(438803.2,
3748750.8,	136.5,	1142.1,	2.0);		
(438788.4,	3748703.2,	136.7,	1142.1,	2.0);	(438780.5,
3748674.0,	136.6,	1142.1,	2.0);		
(438768.9,	3748645.4,	136.5,	1142.1,	2.0);	(438751.6,
3748620.5,	135.7,	1142.1,	2.0);		
(438730.3,	3748595.8,	135.0,	1142.1,	2.0);	(438712.2,
3748572.0,	133.7,	1142.1,	2.0);		
(438693.5,	3748548.8,	131.9,	1142.1,	2.0);	(438676.8,
3748525.0,	131.1,	1142.1,	2.0);		
(438655.8,	3748497.8,	131.0,	1142.1,	2.0);	(438639.1,
3748475.7,	131.4,	1142.1,	2.0);		
(438619.5,	3748452.5,	131.5,	1142.1,	2.0);	(438600.3,
3748429.8,	131.6,	1142.1,	2.0);		
(438580.7,	3748404.6,	131.1,	1142.1,	2.0);	(438561.4,
3748384.2,	131.1,	1142.1,	2.0);		
(438540.8,	3748363.8,	131.1,	1142.1,	2.0);	(438520.9,
3748341.1,	131.1,	1142.1,	2.0);		
(438500.0,	3748320.4,	130.5,	1142.1,	2.0);	(438735.7,
3748992.6,	156.9,	1142.1,	2.0);		
(438675.3,	3748985.1,	148.4,	1142.1,	2.0);	(439331.0,
3749107.6,	146.2,	1142.1,	2.0);		
(439341.9,	3749117.1,	145.5,	1142.1,	2.0);	(439353.6,
3749127.3,	144.5,	1142.1,	2.0);		
(439366.1,	3749137.4,	143.4,	1142.1,	2.0);	(439375.7,
3749143.9,	142.6,	1142.1,	2.0);		
(439388.4,	3749153.5,	141.3,	1142.1,	2.0);	(439400.5,
3749162.1,	140.2,	1142.1,	2.0);		
(439413.6,	3749169.9,	139.5,	1142.1,	2.0);	(439425.7,

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3749178.1,    138.9,    1142.1,    2.0);
( 439449.6, 3749192.9,    138.5,    1142.1,    2.0);    ( 439473.0,
3749214.4,    138.5,    1142.1,    2.0);
( 439800.8, 3749040.5,    147.5,    1142.1,    2.0);    ( 439873.8,
3748887.4,    156.3,    1142.1,    2.0);
( 439887.6, 3748802.5,    161.9,    1142.1,    2.0);    ( 440077.8,
3748740.2,    180.5,    1142.1,    2.0);
( 440019.2, 3748682.1,    178.2,    1142.1,    2.0);    ( 439929.6,
3748601.8,    215.7,    1142.1,    2.0);
( 439955.0, 3748605.9,    216.9,    1142.1,    2.0);    ( 439983.2,
3748614.2,    213.8,    1142.1,    2.0);
( 440006.2, 3748617.4,    211.2,    1142.1,    2.0);    ( 440071.3,
3748624.4,    201.1,    1142.1,    2.0);
( 440087.9, 3748639.6,    190.9,    1142.1,    2.0);    ( 440117.0,
3748767.0,    190.4,    1142.1,    2.0);
( 439940.2, 3748575.0,    215.8,    1142.1,    2.0);    ( 439996.1,
3748506.2,    215.9,    1142.1,    2.0);
( 440023.3, 3748475.8,    213.2,    1142.1,    2.0);    ( 440043.2,
3748463.8,    217.3,    1142.1,    2.0);
^ *** AERMOD - VERSION 23132 ***    *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 ***    06/11/24
*** AERMET - VERSION 16216 ***    ***
***    09:12:12

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 440054.7, 3748448.5,    218.5,    1142.1,    2.0);    ( 440063.5,
3748429.6,    219.1,    1142.1,    2.0);
( 440072.3, 3748414.8,    221.0,    1142.1,    2.0);    ( 440083.8,
3748396.4,    222.7,    1142.1,    2.0);
( 440096.3, 3748378.8,    225.5,    1142.1,    2.0);    ( 440105.1,
3748361.8,    227.1,    1142.1,    2.0);
( 440106.9, 3748342.8,    226.4,    1142.1,    2.0);    ( 440120.8,
3748318.8,    231.8,    1142.1,    2.0);
( 440122.7, 3748286.9,    233.8,    1142.1,    2.0);    ( 440117.3,
3748252.6,    235.6,    1142.1,    2.0);
( 440121.3, 3748218.1,    241.7,    1142.1,    2.0);    ( 440128.1,
3748298.0,    235.1,    1142.1,    2.0);
( 440266.3, 3748117.4,    245.8,    1142.1,    2.0);    ( 440165.5,
3747898.5,    272.1,    1142.1,    2.0);
( 440191.3, 3747915.0,    264.6,    1142.1,    2.0);    ( 440206.6,
3747939.3,    273.8,    1142.1,    2.0);
( 440247.4, 3747944.8,    263.2,    1142.1,    2.0);    ( 440266.7,
3747950.7,    259.8,    1142.1,    2.0);
( 440283.1, 3747959.7,    258.2,    1142.1,    2.0);    ( 440300.0,

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^ *** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 ***          06/11/24
*** AERMET - VERSION 16216 ***      ***
***                                ***
***                                09:12:12

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ U*

PROCESSING ***

[illegible]

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED

(METERS/SEC)

1.54, 3.09, 5.14, 8.23,
 10.80,
 *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/11/24
 *** AERMET - VERSION 16216 *** ***
 *** 09:12:12

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 *** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*
 *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
 DATA ***

Surface file: KRAL_V9_ADJU\KRAL_v9.SFC
 Met Version: 16216
 Profile file: KRAL_V9_ADJU\KRAL_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3171 Upper air station no.: 3190
 Name: UNKNOWN Name: UNKNOWN
 Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
12	01	01	1	01	-25.6	0.266	-9.000	-9.000	-999.	330.	77.9	0.15	2.40	
1.00	2.93	55.	10.1	288.1	2.0									
12	01	01	1	02	-26.8	0.277	-9.000	-9.000	-999.	351.	84.7	0.15	2.40	
1.00	3.05	55.	10.1	287.0	2.0									
12	01	01	1	03	-21.5	0.221	-9.000	-9.000	-999.	250.	53.5	0.15	2.40	
1.00	2.45	74.	10.1	284.2	2.0									
12	01	01	1	04	-22.0	0.227	-9.000	-9.000	-999.	260.	56.8	0.15	2.40	
1.00	2.52	77.	10.1	285.9	2.0									
12	01	01	1	05	-20.0	0.206	-9.000	-9.000	-999.	225.	46.8	0.15	2.40	
1.00	2.30	80.	10.1	285.4	2.0									
12	01	01	1	06	-14.4	0.171	-9.000	-9.000	-999.	170.	32.1	0.15	2.40	
1.00	1.93	79.	10.1	287.0	2.0									
12	01	01	1	07	-14.9	0.174	-9.000	-9.000	-999.	174.	33.2	0.15	2.40	
1.00	1.96	77.	10.1	284.2	2.0									
12	01	01	1	08	-11.9	0.169	-9.000	-9.000	-999.	167.	36.1	0.15	2.40	
0.53	1.89	77.	10.1	288.1	2.0									
12	01	01	1	09	40.4	0.234	0.359	0.006	40.	272.	-28.1	0.15	2.40	
0.31	2.10	81.	10.1	289.2	2.0									
12	01	01	1	10	112.6	0.246	0.742	0.005	129.	293.	-11.8	0.15	2.40	

0.24	1.99	101.	10.1	296.4	2.0								
12	01	01	1	11	161.0	0.402	1.188	0.005	369.	611.	-35.6	0.15	2.40
0.21	3.68	78.	10.1	298.8	2.0								
12	01	01	1	12	184.7	0.337	1.516	0.005	668.	473.	-18.4	0.15	2.40
0.20	2.89	68.	10.1	300.4	2.0								
12	01	01	1	13	183.9	0.310	1.809	0.005	1139.	414.	-14.2	0.15	2.40
0.20	2.57	64.	10.1	302.5	2.0								
12	01	01	1	14	156.6	0.374	1.852	0.005	1434.	549.	-29.5	0.15	2.40
0.22	3.37	63.	10.1	303.1	2.0								
12	01	01	1	15	104.3	0.382	1.658	0.005	1546.	567.	-47.2	0.15	2.40
0.25	3.59	62.	10.1	302.5	2.0								
12	01	01	1	16	31.8	0.374	1.123	0.005	1573.	550.	-145.8	0.15	2.40
0.34	3.76	69.	10.1	300.9	2.0								
12	01	01	1	17	-23.3	0.276	-9.000	-9.000	-999.	354.	84.0	0.15	2.40
0.62	3.03	59.	10.1	297.5	2.0								
12	01	01	1	18	-21.5	0.229	-9.000	-9.000	-999.	264.	57.8	0.15	2.40
1.00	2.54	54.	10.1	295.4	2.0								
12	01	01	1	19	-19.3	0.204	-9.000	-9.000	-999.	221.	45.6	0.15	2.40
1.00	2.27	79.	10.1	292.0	2.0								
12	01	01	1	20	-20.7	0.218	-9.000	-9.000	-999.	244.	52.2	0.15	2.40
1.00	2.42	79.	10.1	292.5	2.0								
12	01	01	1	21	-19.7	0.206	-9.000	-9.000	-999.	225.	46.9	0.15	2.40
1.00	2.30	95.	10.1	290.9	2.0								
12	01	01	1	22	-17.6	0.190	-9.000	-9.000	-999.	199.	39.8	0.15	2.40
1.00	2.13	78.	10.1	290.4	2.0								
12	01	01	1	23	-20.3	0.211	-9.000	-9.000	-999.	233.	49.0	0.15	2.40
1.00	2.35	52.	10.1	289.2	2.0								
12	01	01	1	24	-16.4	0.183	-9.000	-9.000	-999.	189.	37.0	0.15	2.40
1.00	2.06	75.	10.1	288.8	2.0								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.1	1	55.	2.93	288.2	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

^ *** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/11/24
 *** AERMET - VERSION 16216 ***
 *** 09:12:12

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2
 , VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10
 , VOL11 , VOL12 , VOL13 ,

	VOL14	, VOL15	, VOL16	, VOL17	, VOL18
, VOL19	, VOL20	, VOL21	,		
	VOL22	, VOL23	, VOL24	, VOL25	, VOL26
, VOL27	, VOL28	, . . .	,		

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
439259.97	3749072.65	0.25001	(16010524)	439277.61
3749070.69	0.25738	(16010524)		
439298.40	3749082.06	0.24770	(16010524)	439312.13
3749091.08	0.23720	(16010524)		
439321.93	3749098.54	0.22941	(16010624)	439240.72
3749074.67	0.24106	(16010524)		
439217.60	3749084.06	0.22431	(16010524)	439205.31
3749089.84	0.21550	(16010524)		
439192.07	3749096.35	0.20644	(16010524)	439179.54
3749103.09	0.19813	(16010524)		
439169.91	3749108.15	0.19219	(16010524)	439157.14
3749113.69	0.18529	(16010524)		
439137.63	3749079.00	0.19266	(16010524)	439113.31
3749079.24	0.18576	(16092024)		
439099.82	3749078.76	0.18268	(16092024)	439085.37
3749079.00	0.17916	(16092024)		
439071.88	3749078.76	0.17635	(16092024)	439045.63
3749077.56	0.17155	(16092024)		
438992.40	3749075.39	0.16113	(16092024)	438978.19
3749072.74	0.15890	(16092024)		
438963.01	3749071.06	0.15614	(16092024)	438947.12
3749069.13	0.15318	(16092024)		
438932.42	3749067.44	0.15036	(16092024)	438917.49
3749065.27	0.14837	(14121224)		
438902.80	3749063.11	0.14645	(14121224)	438888.11
3749060.22	0.14445	(14121224)		
438870.76	3749057.57	0.14176	(14121224)	438854.87
3749058.05	0.13861	(14121224)		
438838.01	3749060.22	0.13501	(14121224)	438779.48
3749017.83	0.12739	(14121224)		
438784.54	3749046.01	0.12610	(14121224)	438762.86
3749004.58	0.12368	(14121224)		
438815.85	3749066.24	0.12970	(14121224)	439042.50
3748895.54	0.25485	(14121224)		
439038.53	3748865.79	0.28285	(14121224)	438999.14

3748811.38	0.31465	(14121224)	
438921.22	3748750.74	0.25137	(15112724) 438794.05
3748719.90	0.18223	(15112724)	
438730.91	3748880.70	0.10980	(16111024) 438748.55
3748863.05	0.11710	(16111024)	
438764.63	3748843.83	0.12498	(16111024) 438785.55
3748816.73	0.13501	(16111024)	
438805.14	3748787.97	0.15160	(15112724) 438803.16
3748750.85	0.17079	(15112724)	
438788.42	3748703.24	0.18704	(15112724) 438780.49
3748674.05	0.19322	(15112724)	
438768.87	3748645.43	0.19426	(15112724) 438751.58
3748620.50	0.18860	(15112724)	
438730.33	3748595.84	0.17890	(15112724) 438712.19
3748572.04	0.16840	(15112724)	
438693.49	3748548.80	0.15789	(14121624) 438676.77
3748525.00	0.15150	(14121624)	
438655.80	3748497.80	0.14257	(14121624) 438639.08
3748475.69	0.13490	(14121624)	
438619.53	3748452.46	0.12767	(16122924) 438600.26
3748429.79	0.12494	(16122924)	
438580.71	3748404.57	0.12153	(16122924) 438561.44
3748384.17	0.11750	(16122924)	
438540.75	3748363.76	0.11301	(16122924) 438520.92
3748341.09	0.10880	(16122924)	
438499.95	3748320.41	0.10415	(16122924) 438735.66
3748992.65	0.11672	(14121224)	
438675.26	3748985.08	0.09727	(14121224) 439331.05
3749107.64	0.22046	(16010624)	
439341.93	3749117.09	0.21099	(16010624) 439353.60
3749127.33	0.20019	(16010624)	
439366.09	3749137.37	0.18948	(16010624) 439375.72
3749143.92	0.18231	(16010624)	
439388.41	3749153.54	0.17172	(16010624) 439400.49
3749162.14	0.16238	(16010624)	
439413.60	3749169.92	0.15556	(12041324) 439425.68
3749178.11	0.14930	(12041324)	
439449.64	3749192.86	0.13743	(12041324) 439473.05
3749214.38	0.12581	(13030724)	
439800.83	3749040.52	0.29342	(13100924) 439873.79
3748887.43	0.73722	(14111124)	
439887.64	3748802.52	0.91795	(14111124) 440077.78
3748740.21	0.37233	(15042424)	
440019.17	3748682.06	0.47960	(14111124) 439929.64
3748601.76	0.58652	(14111124)	
▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630			
Green River Ranch\12630 0 *** 06/11/24			
*** AERMET - VERSION 16216 *** ***			
*** 09:12:12			

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2
 , VOL3 , VOL4 , VOL5 ,
 , VOL6 , VOL7 , VOL8 , VOL9 , VOL10
 , VOL11 , VOL12 , VOL13 ,
 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18
 , VOL19 , VOL20 , VOL21 ,
 , VOL22 , VOL23 , VOL24 , VOL25 , VOL26
 , VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
439955.02	3748605.92	0.50260	(16122324)	439983.17
3748614.22	0.46588	(15042424)		
440006.24	3748617.45	0.43968	(15042424)	440071.32
3748624.38	0.37934	(15042424)		
440087.93	3748639.61	0.37950	(15042424)	440117.00
3748766.98	0.32731m	(13112124)		
439940.25	3748575.00	0.55968	(16122324)	439996.09
3748506.23	0.43029	(12042324)		
440023.32	3748475.77	0.38786	(12042324)	440043.16
3748463.78	0.34797	(12042324)		
440054.70	3748448.55	0.32315	(12042324)	440063.47
3748429.62	0.29896	(12042324)		
440072.29	3748414.84	0.27668	(12042324)	440083.83
3748396.38	0.25071	(12042324)		
440096.29	3748378.84	0.22464	(12042324)	440105.06
3748361.76	0.20234	(12042324)		
440106.91	3748342.84	0.18942	(12113024)	440120.75
3748318.84	0.16949	(15092124)		
440122.71	3748286.94	0.15536	(15092124)	440117.33
3748252.65	0.14025	(15092124)		
440121.30	3748218.07	0.12125c	(12112824)	440128.10
3748298.00	0.15767	(15092124)		
440266.27	3748117.44	0.08336c	(12112824)	440165.45
3747898.52	0.06406	(16011824)		
440191.34	3747915.00	0.06613	(16011824)	440206.64
3747939.32	0.06788	(16011824)		

440247.44	3747944.82	0.06697	(16011824)	440266.66
3747950.70	0.06626	(16011824)		
440283.14	3747959.73	0.06550	(16011824)	440300.01
3747969.14	0.06427	(16011824)		
440321.20	3747989.15	0.06402c	(12112824)	440293.34
3748093.90	0.07873c	(12112824)		
440300.01	3748071.14	0.07510c	(12112824)	440307.86
3748048.39	0.07177c	(12112824)		
440314.13	3748028.38	0.06895c	(12112824)	440320.02
3748006.80	0.06594c	(12112824)		
440335.28	3747569.25	0.03561	(16011824)	440507.19
3748971.21	0.16331m	(13112124)		
439956.03	3749044.31	0.22180	(13100924)	439952.87
3748770.03	0.61834	(14111124)		
438867.06	3748863.17	0.18811	(14121224)	

^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/11/24
 *** AERMET - VERSION 16216 *** ***
 *** 09:12:12

PAGE 74

*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR

RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

GROUP ID	AVERAGE CONC	DATE	RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE NETWORK GRID-ID	(YYMMDDHH)	
- - - - -	- - - - -	- - - - -	- - - - -
- - - - -	- - - - -	- - - - -	- - - - -

ALL HIGH 1ST HIGH VALUE IS 0.91795 ON 14111124: AT (439887.64,
 3748802.52, 161.93, 1142.09, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/11/24
 *** AERMET - VERSION 16216 *** ***
 *** 09:12:12

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
 A Total of 2 Warning Message(s)
 A Total of 1638 Informational Message(s)

 A Total of 43848 Hours Were Processed

 A Total of 1039 Calm Hours Identified

 A Total of 599 Missing Hours Identified (1.37 Percent)

***** FATAL ERROR MESSAGES *****
 *** NONE ***

***** WARNING MESSAGES *****
 ME W186 1134 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
 0.50
 ME W187 1134 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 *** AERMOD Finishes Successfully ***

**

**

** AERMOD Input Produced by:
 ** AERMOD View Ver. 12.0.0
 ** Lakes Environmental Software Inc.
 ** Date: 6/11/2024
 ** File: C:\Users\adadabhoy\Desktop\AERMOD\12630 Green River Ranch\12630 Cons
 PM2\12630 Cons PM2.ADI

**

**

**

** AERMOD Control Pathway

**

**

CO STARTING
 TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\12630 Green River Ranch\12630 0
 MODELOPT DFAULT CONC
 AVERTIME 24
 URBANOPT 2189641 Riverside_County
 POLLUTID PM_2.5
 FLAGPOLE 2.00
 RUNORNOT RUN
 ERRORFIL "12630 Cons PM2.err"

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION VOL1	VOLUME	439309.748	3748858.376	161.250
LOCATION VOL2	VOLUME	439374.128	3748922.763	156.930
LOCATION VOL3	VOLUME	439455.801	3748932.328	154.240
LOCATION VOL4	VOLUME	439463.159	3748879.351	157.760
LOCATION VOL5	VOLUME	439391.051	3748849.183	160.760
LOCATION VOL6	VOLUME	439538.210	3748941.894	153.630
LOCATION VOL7	VOLUME	439791.324	3748855.070	157.420
LOCATION VOL8	VOLUME	439711.122	3748854.334	157.470
LOCATION VOL9	VOLUME	439633.128	3748853.598	157.760
LOCATION VOL10	VOLUME	439551.455	3748852.127	158.730
LOCATION VOL11	VOLUME	439793.532	3748775.604	163.250
LOCATION VOL12	VOLUME	439712.594	3748774.868	161.370
LOCATION VOL13	VOLUME	439632.392	3748774.132	162.310
LOCATION VOL14	VOLUME	439552.190	3748773.396	163.870
LOCATION VOL15	VOLUME	439471.989	3748772.661	162.240
LOCATION VOL16	VOLUME	439391.051	3748771.925	164.850
LOCATION VOL17	VOLUME	439310.849	3748769.717	165.560
LOCATION VOL18	VOLUME	439121.750	3748688.044	178.040
LOCATION VOL19	VOLUME	439202.687	3748688.044	176.120
LOCATION VOL20	VOLUME	439283.625	3748689.516	171.580
LOCATION VOL21	VOLUME	439365.298	3748690.251	170.660
LOCATION VOL22	VOLUME	439446.972	3748692.459	169.250
LOCATION VOL23	VOLUME	439528.645	3748693.930	171.250
LOCATION VOL24	VOLUME	439610.318	3748694.666	167.770
LOCATION VOL25	VOLUME	439691.992	3748693.195	166.370
LOCATION VOL26	VOLUME	439772.929	3748693.195	175.080
LOCATION VOL27	VOLUME	439822.963	3748612.993	188.660
LOCATION VOL28	VOLUME	439743.497	3748613.729	173.330
LOCATION VOL29	VOLUME	439662.560	3748612.993	177.500
LOCATION VOL30	VOLUME	439583.094	3748613.729	177.610
LOCATION VOL31	VOLUME	439502.156	3748613.729	180.210

LOCATION VOL32	VOLUME	439421.219	3748612.993	175.050
LOCATION VOL33	VOLUME	439341.753	3748613.729	180.220
LOCATION VOL34	VOLUME	439260.815	3748613.729	185.530
LOCATION VOL35	VOLUME	439180.613	3748611.521	196.860
LOCATION VOL36	VOLUME	439132.787	3748609.314	188.370
LOCATION VOL37	VOLUME	439132.051	3748527.640	198.180
LOCATION VOL38	VOLUME	439212.988	3748528.376	207.120
LOCATION VOL39	VOLUME	439291.719	3748530.584	210.020
LOCATION VOL40	VOLUME	439372.656	3748531.319	192.510
LOCATION VOL41	VOLUME	439453.594	3748530.584	191.060
LOCATION VOL42	VOLUME	439535.267	3748532.791	202.180
LOCATION VOL43	VOLUME	439616.205	3748533.527	177.120
LOCATION VOL44	VOLUME	439697.142	3748532.791	199.900
LOCATION VOL45	VOLUME	439778.080	3748534.998	179.030
LOCATION VOL46	VOLUME	439821.492	3748532.055	188.360
LOCATION VOL48	VOLUME	439213.724	3748448.174	212.290
LOCATION VOL49	VOLUME	439293.926	3748449.646	227.840
LOCATION VOL50	VOLUME	439373.392	3748451.118	194.220
LOCATION VOL51	VOLUME	439452.858	3748449.646	203.050
LOCATION VOL52	VOLUME	439534.531	3748451.118	218.960
LOCATION VOL53	VOLUME	439614.733	3748453.325	186.120
LOCATION VOL54	VOLUME	439696.407	3748454.797	204.900
LOCATION VOL55	VOLUME	439780.287	3748453.325	199.550
LOCATION VOL58	VOLUME	439290.247	3748369.444	229.260
LOCATION VOL59	VOLUME	439370.449	3748369.444	199.150
LOCATION VOL60	VOLUME	439451.386	3748370.916	231.160
LOCATION VOL61	VOLUME	439533.796	3748370.916	220.080
LOCATION VOL62	VOLUME	439613.997	3748373.123	193.690
LOCATION VOL63	VOLUME	439693.463	3748374.595	208.120
LOCATION PAREA1	AREAPOLY	439091.244	3748578.182	190.000

** Source Parameters **

SRCPARAM VOL1	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL2	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL3	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL4	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL5	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL6	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL7	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL8	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL9	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL10	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL11	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL12	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL13	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL14	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL15	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL16	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL17	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL18	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL19	0.0008713986	5.000	18.651	1.400

SRCPARAM VOL20	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL21	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL22	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL23	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL24	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL25	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL26	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL27	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL28	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL29	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL30	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL31	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL32	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL33	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL34	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL35	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL36	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL37	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL38	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL39	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL40	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL41	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL42	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL43	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL44	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL45	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL46	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL48	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL49	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL50	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL51	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL52	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL53	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL54	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL55	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL58	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL59	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL60	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL61	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL62	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL63	0.0008713986	5.000	18.651	1.400
SRCPARAM PAREA1	2.0858E-07	0.000	64	1.000
AREAVERT PAREA1	439091.244	3748578.182	439088.080	3748363.000
AREAVERT PAREA1	439286.033	3748392.535	439619.705	3748395.699
AREAVERT PAREA1	439651.701	3748359.133	439821.525	3748499.774
AREAVERT PAREA1	439844.028	3748499.774	439861.960	3748549.350
AREAVERT PAREA1	439859.850	3748602.794	439869.695	3748624.593
AREAVERT PAREA1	439853.873	3748646.393	439821.174	3748669.950
AREAVERT PAREA1	439820.822	3748696.321	439871.453	3748745.897
AREAVERT PAREA1	439856.334	3748766.641	439843.676	3748788.441

AREAVERT	PAREA1	439835.941	3748813.053	439831.018	3748839.775
AREAVERT	PAREA1	439830.667	3748890.406	439822.228	3748898.844
AREAVERT	PAREA1	439621.463	3748910.096	439601.421	3748906.228
AREAVERT	PAREA1	439592.631	3748956.507	439457.967	3748963.540
AREAVERT	PAREA1	439406.281	3748938.576	439367.956	3748918.534
AREAVERT	PAREA1	439346.508	3748900.602	439322.951	3748874.935
AREAVERT	PAREA1	439313.809	3748860.168	439370.066	3748819.382
AREAVERT	PAREA1	439399.249	3748814.460	439407.687	3748816.921
AREAVERT	PAREA1	439414.720	3748819.030	439457.264	3748846.104
AREAVERT	PAREA1	439472.734	3748858.058	439484.689	3748856.300
AREAVERT	PAREA1	439591.576	3748955.101	439602.124	3748901.306
AREAVERT	PAREA1	439587.357	3748897.438	439557.119	3748880.209
AREAVERT	PAREA1	439536.726	3748861.574	439483.282	3748814.460
AREAVERT	PAREA1	439454.451	3748792.660	439443.199	3748786.331
AREAVERT	PAREA1	439427.026	3748779.651	439410.149	3748774.377
AREAVERT	PAREA1	439391.865	3748770.861	439377.450	3748770.509
AREAVERT	PAREA1	439364.792	3748771.564	439351.431	3748774.728
AREAVERT	PAREA1	439307.832	3748785.276	439305.371	3748779.651
AREAVERT	PAREA1	439288.142	3748768.751	439275.133	3748764.180
AREAVERT	PAREA1	439275.133	3748760.664	439241.730	3748752.577
AREAVERT	PAREA1	439199.890	3748742.381	439168.597	3748726.910
AREAVERT	PAREA1	439155.236	3748716.010	439138.007	3748700.188
AREAVERT	PAREA1	439127.459	3748685.069	439113.747	3748655.886
AREAVERT	PAREA1	439103.902	3748617.561	439096.166	3748577.127
URBANSRC	ALL				

** Variable Emissions Type: "By Hour / Day (HRDOW)"

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL2	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL3	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL4	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT 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

[illegible]

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

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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 PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA1	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL	
SO FINISHED	
**	

** AERMOD Receptor Pathway	

**	

```

**
RE STARTING
  INCLUDED "12630 Cons PM2.rou"
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
  SURFFILE KRAL_V9_ADJU\KRAL_v9.SFC
  PROFFILE KRAL_V9_ADJU\KRAL_v9.PFL
  SURFDATA 3171 2012
  UAIRDATA 3190 2012
  PROFBASE 245.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 24 1ST
** Auto-Generated Plotfiles
  PLOTFILE 24 ALL 1ST "12630 CONS PM2.AD\24H1GALL.PLT" 31
  SUMMFILE "12630 Cons PM2.sum"
OU FINISHED
**
*****
** Project Parameters
*****
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 6/11/2024
** File: C:\Users\adadabhoy\Desktop\AERMOD\12630 Green River Ranch\12630 Cons

```

PM2\12630 Cons PM2.ADI

**

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**

** AERMOD Control Pathway

**

**

CO STARTING

TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\12630 Green River Ranch\12630 0

MODELOPT DFAULT CONC

AVERTIME 24

URBANOPT 2189641 Riverside_County

POLLUTID PM_2.5

FLAGPOLE 2.00

RUNORNOT RUN

ERRORFIL "12630 Cons PM2.err"

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION VOL1	VOLUME	439309.748	3748858.376	161.250
LOCATION VOL2	VOLUME	439374.128	3748922.763	156.930
LOCATION VOL3	VOLUME	439455.801	3748932.328	154.240
LOCATION VOL4	VOLUME	439463.159	3748879.351	157.760
LOCATION VOL5	VOLUME	439391.051	3748849.183	160.760
LOCATION VOL6	VOLUME	439538.210	3748941.894	153.630
LOCATION VOL7	VOLUME	439791.324	3748855.070	157.420
LOCATION VOL8	VOLUME	439711.122	3748854.334	157.470
LOCATION VOL9	VOLUME	439633.128	3748853.598	157.760
LOCATION VOL10	VOLUME	439551.455	3748852.127	158.730
LOCATION VOL11	VOLUME	439793.532	3748775.604	163.250
LOCATION VOL12	VOLUME	439712.594	3748774.868	161.370
LOCATION VOL13	VOLUME	439632.392	3748774.132	162.310
LOCATION VOL14	VOLUME	439552.190	3748773.396	163.870
LOCATION VOL15	VOLUME	439471.989	3748772.661	162.240
LOCATION VOL16	VOLUME	439391.051	3748771.925	164.850
LOCATION VOL17	VOLUME	439310.849	3748769.717	165.560
LOCATION VOL18	VOLUME	439121.750	3748688.044	178.040
LOCATION VOL19	VOLUME	439202.687	3748688.044	176.120
LOCATION VOL20	VOLUME	439283.625	3748689.516	171.580
LOCATION VOL21	VOLUME	439365.298	3748690.251	170.660

LOCATION VOL22	VOLUME	439446.972	3748692.459	169.250
LOCATION VOL23	VOLUME	439528.645	3748693.930	171.250
LOCATION VOL24	VOLUME	439610.318	3748694.666	167.770
LOCATION VOL25	VOLUME	439691.992	3748693.195	166.370
LOCATION VOL26	VOLUME	439772.929	3748693.195	175.080
LOCATION VOL27	VOLUME	439822.963	3748612.993	188.660
LOCATION VOL28	VOLUME	439743.497	3748613.729	173.330
LOCATION VOL29	VOLUME	439662.560	3748612.993	177.500
LOCATION VOL30	VOLUME	439583.094	3748613.729	177.610
LOCATION VOL31	VOLUME	439502.156	3748613.729	180.210
LOCATION VOL32	VOLUME	439421.219	3748612.993	175.050
LOCATION VOL33	VOLUME	439341.753	3748613.729	180.220
LOCATION VOL34	VOLUME	439260.815	3748613.729	185.530
LOCATION VOL35	VOLUME	439180.613	3748611.521	196.860
LOCATION VOL36	VOLUME	439132.787	3748609.314	188.370
LOCATION VOL37	VOLUME	439132.051	3748527.640	198.180
LOCATION VOL38	VOLUME	439212.988	3748528.376	207.120
LOCATION VOL39	VOLUME	439291.719	3748530.584	210.020
LOCATION VOL40	VOLUME	439372.656	3748531.319	192.510
LOCATION VOL41	VOLUME	439453.594	3748530.584	191.060
LOCATION VOL42	VOLUME	439535.267	3748532.791	202.180
LOCATION VOL43	VOLUME	439616.205	3748533.527	177.120
LOCATION VOL44	VOLUME	439697.142	3748532.791	199.900
LOCATION VOL45	VOLUME	439778.080	3748534.998	179.030
LOCATION VOL46	VOLUME	439821.492	3748532.055	188.360
LOCATION VOL48	VOLUME	439213.724	3748448.174	212.290
LOCATION VOL49	VOLUME	439293.926	3748449.646	227.840
LOCATION VOL50	VOLUME	439373.392	3748451.118	194.220
LOCATION VOL51	VOLUME	439452.858	3748449.646	203.050
LOCATION VOL52	VOLUME	439534.531	3748451.118	218.960
LOCATION VOL53	VOLUME	439614.733	3748453.325	186.120
LOCATION VOL54	VOLUME	439696.407	3748454.797	204.900
LOCATION VOL55	VOLUME	439780.287	3748453.325	199.550
LOCATION VOL58	VOLUME	439290.247	3748369.444	229.260
LOCATION VOL59	VOLUME	439370.449	3748369.444	199.150
LOCATION VOL60	VOLUME	439451.386	3748370.916	231.160
LOCATION VOL61	VOLUME	439533.796	3748370.916	220.080
LOCATION VOL62	VOLUME	439613.997	3748373.123	193.690
LOCATION VOL63	VOLUME	439693.463	3748374.595	208.120
LOCATION PAREA1	AREAPOLY	439091.244	3748578.182	190.000

** Source Parameters **

SRCPARAM VOL1	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL2	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL3	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL4	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL5	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL6	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL7	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL8	0.0008713986	5.000	18.651	1.400
SRCPARAM VOL9	0.0008713986	5.000	18.651	1.400

[illegible]

SRCPARAM	VOL63	0.0008713986	5.000	18.651	1.400
SRCPARAM	PAREA1	2.0858E-07	0.000	64	1.000
AREAVERT	PAREA1	439091.244	3748578.182	439088.080	3748363.000
AREAVERT	PAREA1	439286.033	3748392.535	439619.705	3748395.699
AREAVERT	PAREA1	439651.701	3748359.133	439821.525	3748499.774
AREAVERT	PAREA1	439844.028	3748499.774	439861.960	3748549.350
AREAVERT	PAREA1	439859.850	3748602.794	439869.695	3748624.593
AREAVERT	PAREA1	439853.873	3748646.393	439821.174	3748669.950
AREAVERT	PAREA1	439820.822	3748696.321	439871.453	3748745.897
AREAVERT	PAREA1	439856.334	3748766.641	439843.676	3748788.441
AREAVERT	PAREA1	439835.941	3748813.053	439831.018	3748839.775
AREAVERT	PAREA1	439830.667	3748890.406	439822.228	3748898.844
AREAVERT	PAREA1	439621.463	3748910.096	439601.421	3748906.228
AREAVERT	PAREA1	439592.631	3748956.507	439457.967	3748963.540
AREAVERT	PAREA1	439406.281	3748938.576	439367.956	3748918.534
AREAVERT	PAREA1	439346.508	3748900.602	439322.951	3748874.935
AREAVERT	PAREA1	439313.809	3748860.168	439370.066	3748819.382
AREAVERT	PAREA1	439399.249	3748814.460	439407.687	3748816.921
AREAVERT	PAREA1	439414.720	3748819.030	439457.264	3748846.104
AREAVERT	PAREA1	439472.734	3748858.058	439484.689	3748856.300
AREAVERT	PAREA1	439591.576	3748955.101	439602.124	3748901.306
AREAVERT	PAREA1	439587.357	3748897.438	439557.119	3748880.209
AREAVERT	PAREA1	439536.726	3748861.574	439483.282	3748814.460
AREAVERT	PAREA1	439454.451	3748792.660	439443.199	3748786.331
AREAVERT	PAREA1	439427.026	3748779.651	439410.149	3748774.377
AREAVERT	PAREA1	439391.865	3748770.861	439377.450	3748770.509
AREAVERT	PAREA1	439364.792	3748771.564	439351.431	3748774.728
AREAVERT	PAREA1	439307.832	3748785.276	439305.371	3748779.651
AREAVERT	PAREA1	439288.142	3748768.751	439275.133	3748764.180
AREAVERT	PAREA1	439275.133	3748760.664	439241.730	3748752.577
AREAVERT	PAREA1	439199.890	3748742.381	439168.597	3748726.910
AREAVERT	PAREA1	439155.236	3748716.010	439138.007	3748700.188
AREAVERT	PAREA1	439127.459	3748685.069	439113.747	3748655.886
AREAVERT	PAREA1	439103.902	3748617.561	439096.166	3748577.127
URBANSRC	ALL				

** Variable Emissions Type: "By Hour / Day (HRDOW)"

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

[illegible]

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
** 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

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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

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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
** Sunday:	
EMISFACT VOL31	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

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EMISFACT VOL38	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL38	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL38	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL38	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL38	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL38	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL38	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL39	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL39	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL39	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL39	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL39	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL39	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL39	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL39	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL39	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL39	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL39	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL39	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL40	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL40	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL40	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL40	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL40	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL40	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL41	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL41	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL41	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL41	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL41	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL41	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

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EMISFACT VOL49	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL49	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL49	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL49	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL49	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL49	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL49	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL50	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL50	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL50	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL50	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL50	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL50	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL50	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL50	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL50	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL50	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL50	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL50	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL51	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL52	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

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EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
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 PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA1	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT PAREA1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0


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    EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
    INCLUDED "12630 Cons PM2.rou"
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
    SURFFILE KRAL_V9_ADJU\KRAL_v9.SFC
    PROFFILE KRAL_V9_ADJU\KRAL_v9.PFL
    SURFDATA 3171 2012
    UAIRDATA 3190 2012
    PROFBASE 245.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
    RECTABLE ALLAVE 1ST
    RECTABLE 24 1ST
** Auto-Generated Plotfiles
    PLOTFILE 24 ALL 1ST "12630 CONS PM2.AD\24H1GALL.PLT" 31
    SUMMFILE "12630 Cons PM2.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 1134 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 1134 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 61 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: PM_2.5

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 61 Source(s); 1 Source Group(s); and 121 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 60 VOLUME source(s)
and: 1 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing
Hours
b for Both Calm
and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 245.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.7 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: 12630 Cons PM2.err

**File for Summary of Results: 12630 Cons PM2.sum

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE	AIRCRAFT		ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y			
ID		SCALAR	VARY			(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

VOL1		0	0.87140E-03	439309.7	3748858.4	161.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL2		0	0.87140E-03	439374.1	3748922.8	156.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL3		0	0.87140E-03	439455.8	3748932.3	154.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL4		0	0.87140E-03	439463.2	3748879.4	157.8	5.00	18.65
1.40	YES	HRDOW	NO					
VOL5		0	0.87140E-03	439391.1	3748849.2	160.8	5.00	18.65
1.40	YES	HRDOW	NO					
VOL6		0	0.87140E-03	439538.2	3748941.9	153.6	5.00	18.65
1.40	YES	HRDOW	NO					
VOL7		0	0.87140E-03	439791.3	3748855.1	157.4	5.00	18.65
1.40	YES	HRDOW	NO					
VOL8		0	0.87140E-03	439711.1	3748854.3	157.5	5.00	18.65
1.40	YES	HRDOW	NO					
VOL9		0	0.87140E-03	439633.1	3748853.6	157.8	5.00	18.65
1.40	YES	HRDOW	NO					
VOL10		0	0.87140E-03	439551.5	3748852.1	158.7	5.00	18.65
1.40	YES	HRDOW	NO					
VOL11		0	0.87140E-03	439793.5	3748775.6	163.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL12		0	0.87140E-03	439712.6	3748774.9	161.4	5.00	18.65
1.40	YES	HRDOW	NO					
VOL13		0	0.87140E-03	439632.4	3748774.1	162.3	5.00	18.65
1.40	YES	HRDOW	NO					
VOL14		0	0.87140E-03	439552.2	3748773.4	163.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL15		0	0.87140E-03	439472.0	3748772.7	162.2	5.00	18.65

1.40	YES	HRDOW	NO					
VOL16		0	0.87140E-03	439391.1	3748771.9	164.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL17		0	0.87140E-03	439310.8	3748769.7	165.6	5.00	18.65
1.40	YES	HRDOW	NO					
VOL18		0	0.87140E-03	439121.8	3748688.0	178.0	5.00	18.65
1.40	YES	HRDOW	NO					
VOL19		0	0.87140E-03	439202.7	3748688.0	176.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL20		0	0.87140E-03	439283.6	3748689.5	171.6	5.00	18.65
1.40	YES	HRDOW	NO					
VOL21		0	0.87140E-03	439365.3	3748690.3	170.7	5.00	18.65
1.40	YES	HRDOW	NO					
VOL22		0	0.87140E-03	439447.0	3748692.5	169.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL23		0	0.87140E-03	439528.6	3748693.9	171.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL24		0	0.87140E-03	439610.3	3748694.7	167.8	5.00	18.65
1.40	YES	HRDOW	NO					
VOL25		0	0.87140E-03	439692.0	3748693.2	166.4	5.00	18.65
1.40	YES	HRDOW	NO					
VOL26		0	0.87140E-03	439772.9	3748693.2	175.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL27		0	0.87140E-03	439823.0	3748613.0	188.7	5.00	18.65
1.40	YES	HRDOW	NO					
VOL28		0	0.87140E-03	439743.5	3748613.7	173.3	5.00	18.65
1.40	YES	HRDOW	NO					
VOL29		0	0.87140E-03	439662.6	3748613.0	177.5	5.00	18.65
1.40	YES	HRDOW	NO					
VOL30		0	0.87140E-03	439583.1	3748613.7	177.6	5.00	18.65
1.40	YES	HRDOW	NO					
VOL31		0	0.87140E-03	439502.2	3748613.7	180.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL32		0	0.87140E-03	439421.2	3748613.0	175.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL33		0	0.87140E-03	439341.8	3748613.7	180.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL34		0	0.87140E-03	439260.8	3748613.7	185.5	5.00	18.65
1.40	YES	HRDOW	NO					
VOL35		0	0.87140E-03	439180.6	3748611.5	196.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL36		0	0.87140E-03	439132.8	3748609.3	188.4	5.00	18.65
1.40	YES	HRDOW	NO					
VOL37		0	0.87140E-03	439132.1	3748527.6	198.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL38		0	0.87140E-03	439213.0	3748528.4	207.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL39		0	0.87140E-03	439291.7	3748530.6	210.0	5.00	18.65
1.40	YES	HRDOW	NO					
VOL40		0	0.87140E-03	439372.7	3748531.3	192.5	5.00	18.65

1.40 YES HRDOW NO

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE	AIRCRAFT		ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y			
ID		SCALAR	VARY					
(METERS)		CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		BY						

VOL41		0	0.87140E-03	439453.6	3748530.6	191.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL42		0	0.87140E-03	439535.3	3748532.8	202.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL43		0	0.87140E-03	439616.2	3748533.5	177.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL44		0	0.87140E-03	439697.1	3748532.8	199.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL45		0	0.87140E-03	439778.1	3748535.0	179.0	5.00	18.65
1.40	YES	HRDOW	NO					
VOL46		0	0.87140E-03	439821.5	3748532.1	188.4	5.00	18.65
1.40	YES	HRDOW	NO					
VOL48		0	0.87140E-03	439213.7	3748448.2	212.3	5.00	18.65
1.40	YES	HRDOW	NO					
VOL49		0	0.87140E-03	439293.9	3748449.6	227.8	5.00	18.65
1.40	YES	HRDOW	NO					
VOL50		0	0.87140E-03	439373.4	3748451.1	194.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL51		0	0.87140E-03	439452.9	3748449.6	203.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL52		0	0.87140E-03	439534.5	3748451.1	219.0	5.00	18.65
1.40	YES	HRDOW	NO					
VOL53		0	0.87140E-03	439614.7	3748453.3	186.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL54		0	0.87140E-03	439696.4	3748454.8	204.9	5.00	18.65
1.40	YES	HRDOW	NO					
VOL55		0	0.87140E-03	439780.3	3748453.3	199.6	5.00	18.65
1.40	YES	HRDOW	NO					
VOL58		0	0.87140E-03	439290.2	3748369.4	229.3	5.00	18.65

1.40	YES	HRDOW	NO					
VOL59		0	0.87140E-03	439370.4	3748369.4	199.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL60		0	0.87140E-03	439451.4	3748370.9	231.2	5.00	18.65
1.40	YES	HRDOW	NO					
VOL61		0	0.87140E-03	439533.8	3748370.9	220.1	5.00	18.65
1.40	YES	HRDOW	NO					
VOL62		0	0.87140E-03	439614.0	3748373.1	193.7	5.00	18.65
1.40	YES	HRDOW	NO					
VOL63		0	0.87140E-03	439693.5	3748374.6	208.1	5.00	18.65
1.40	YES	HRDOW	NO					

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	LOCATION OF AREA	BASE	RELEASE	NUMBER
SOURCE	SOURCE	EMISSION RATE	AIRCRAFT			
SZ	SOURCE	PART. (GRAMS/SEC	X Y	ELEV.	HEIGHT	OF VERTS.
ID	CATS.	SCALAR VARY	(METERS) (METERS)	(METERS)	(METERS)	
(METERS)	BY	/METER**2)				
PAREA1	0	0.20858E-06	439091.2 3748578.2	190.0	0.00	64
1.00	YES	HRDOW	NO			

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
-----	-----
ALL	VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,

VOL6	, VOL7	, VOL8	,			
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	,
VOL14	, VOL15	, VOL16	,			
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	,
VOL22	, VOL23	, VOL24	,			
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	,
VOL30	, VOL31	, VOL32	,			
	VOL33	, VOL34	, VOL35	, VOL36	, VOL37	,
VOL38	, VOL39	, VOL40	,			
	VOL41	, VOL42	, VOL43	, VOL44	, VOL45	,
VOL46	, VOL48	, VOL49	,			
	VOL50	, VOL51	, VOL52	, VOL53	, VOL54	,
VOL55	, VOL58	, VOL59	,			
	VOL60	, VOL61	, VOL62	, VOL63	, PAREA1	,

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 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs				
-----	-----	-----				
	2189641.	VOL1	, VOL2	, VOL3	, VOL4	,
VOL5	, VOL6	, VOL7	,			
VOL8	,					
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	,
VOL14	, VOL15	, VOL16	,			
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	,
VOL22	, VOL23	, VOL24	,			
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	,
VOL30	, VOL31	, VOL32	,			

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
 OF WEEK (HRDOW) *

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24

*** AERMET - VERSION 16216 ***

10:24:41

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01
11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01
16	.1000E+01	17	.0000E+00	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
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00
11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.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
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00
11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.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
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00
11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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*** AERMOD - VERSION 23132 ***
Green River Ranch\12630 Q ***
*** C:\Users\Michael Tirohn\Desktop\HRAs\12630
06/11/24

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*** AERMET - VERSION 16216 ***
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10:24:41
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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ U*

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 = SATURDAY

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 Green River Ranch\12630 0 *** 06/11/24
 *** AERMET - VERSION 16216 *** ***
 *** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :									
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SATURDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SUNDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 Green River Ranch\12630 0 *** 06/11/24
 *** AERMET - VERSION 16216 *** ***
 *** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01

14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

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    9 .0000E+00  10 .0000E+00  11 .0000E+00  12 .0000E+00  13 .0000E+00
14 .0000E+00  15 .0000E+00  16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
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10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

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SOURCE ID = 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
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

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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
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

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SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 Green River Ranch\12630 0 *** 06/11/24
 *** AERMET - VERSION 16216 *** ***
 *** 10:24:41

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
 OF WEEK (HRDOW) *

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 Green River Ranch\12630 0 *** 06/11/24
 *** AERMET - VERSION 16216 *** ***
 *** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
 OF WEEK (HRDOW) *

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
 14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 Green River Ranch\12630 0 *** 06/11/24
 *** AERMET - VERSION 16216 *** ***
 *** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
 OF WEEK (HRDOW) *

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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Green River Ranch\12630 0 *** 06/11/24

*** AERMET - VERSION 16216 ***
*** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 ***
*** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -

```

- - - - -
                                DAY OF WEEK = WEEKDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6  .0000E+00    7 .0000E+00    8 .0000E+00
      9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SATURDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6  .0000E+00    7 .0000E+00    8 .0000E+00
      9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SUNDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6  .0000E+00    7 .0000E+00    8 .0000E+00
      9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
***                                     10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

```

SOURCE ID = VOL27          ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR

```

```

- - - - -
                                DAY OF WEEK = WEEKDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6  .0000E+00    7 .0000E+00    8 .0000E+00
      9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SATURDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6  .0000E+00    7 .0000E+00    8 .0000E+00
      9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00

```

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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Green River Ranch\12630 0 *** 06/11/24

*** AERMET - VERSION 16216 ***

10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24

*** AERMET - VERSION 16216 ***

10:24:41

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

▲ *** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/11/24

*** AERMET - VERSION 16216 ***

*** 10:24:41

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/11/24
 *** AERMET - VERSION 16216 *** ***
 *** 10:24:41

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL31				; SOURCE TYPE = VOLUME					
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				
- - - - -									
- - - - -									

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

*** AERMOD - VERSION 23132 ***
 Green River Ranch\12630 0 ***
 *** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

*** AERMOD - VERSION 23132 ***
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 *** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = 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

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/11/24
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :									
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				
- - - - -									
- - - - -									

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

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6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

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SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
-----
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

```

SOURCE ID = VOL37          ; SOURCE TYPE = VOLUME      :
  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR
HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
    17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
- - - - - DAY OF WEEK = SATURDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
- - - - - DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

```

SOURCE ID = VOL38          ; SOURCE TYPE = VOLUME      :
  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR
HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

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14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

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SOURCE ID = 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
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	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
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.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
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.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
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL42 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	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

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

*** AERMOD - VERSION 23132 ***
 Green River Ranch\12630 0 ***
 *** AERMET - VERSION 16216 ***

 *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 06/11/24
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00
▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01
11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01
16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

DAY OF WEEK = WEEKDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01
11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01
16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

DAY OF WEEK = SATURDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00
11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

DAY OF WEEK = SUNDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00
11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

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*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 ***      06/11/24
*** AERMET - VERSION 16216 ***      ***
***                                     10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :									
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01
11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01
16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

DAY OF WEEK = WEEKDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01
11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01
16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

DAY OF WEEK = SATURDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL49 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL50 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

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SOURCE ID = 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

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24

*** AERMET - VERSION 16216 ***

10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL52 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL53 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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Green River Ranch\12630 0 *** 06/11/24

*** AERMET - VERSION 16216 *** ***

*** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

SOURCE ID = VOL54 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
 OF WEEK (HRDOW) *

SOURCE ID = VOL55 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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Green River Ranch\12630 0 *** 06/11/24

*** AERMET - VERSION 16216 ***

*** 10:24:41

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01
11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01
16	.1000E+01	17	.0000E+00	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
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00
11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.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
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00
11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.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
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00
11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

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Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 ***
*** 10:24:41

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ U*

SOURCE ID = VOL61				; SOURCE TYPE = VOLUME		:			
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

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SOURCE ID = VOL62 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
-----
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

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SOURCE ID = VOL63          ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
                                DAY OF WEEK = WEEKDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
      9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SATURDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
      9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SUNDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
      9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
      17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
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Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

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SOURCE ID = PAREA1        ; SOURCE TYPE = AREAPOLY :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
                                DAY OF WEEK = WEEKDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .0000E+00
      9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01

```

14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/11/24
 *** AERMET - VERSION 16216 *** ***
 *** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(439260.0, 3749072.6, 149.6, 1142.1, 2.0); (439277.6,
 3749070.7, 149.3, 1142.1, 2.0);
 (439298.4, 3749082.1, 148.2, 1142.1, 2.0); (439312.1,
 3749091.1, 147.4, 1142.1, 2.0);
 (439321.9, 3749098.5, 146.8, 1142.1, 2.0); (439240.7,
 3749074.7, 149.8, 1142.1, 2.0);
 (439217.6, 3749084.1, 149.2, 1142.1, 2.0); (439205.3,
 3749089.8, 148.8, 1142.1, 2.0);
 (439192.1, 3749096.3, 148.3, 1142.1, 2.0); (439179.5,
 3749103.1, 147.9, 1142.1, 2.0);
 (439169.9, 3749108.1, 147.6, 1142.1, 2.0); (439157.1,
 3749113.7, 147.2, 1142.1, 2.0);
 (439137.6, 3749079.0, 150.0, 1142.1, 2.0); (439113.3,
 3749079.2, 150.5, 1142.1, 2.0);
 (439099.8, 3749078.8, 150.5, 1142.1, 2.0); (439085.4,
 3749079.0, 150.6, 1142.1, 2.0);
 (439071.9, 3749078.8, 150.9, 1142.1, 2.0); (439045.6,
 3749077.6, 152.1, 1142.1, 2.0);
 (438992.4, 3749075.4, 153.1, 1142.1, 2.0); (438978.2,
 3749072.7, 153.3, 1142.1, 2.0);
 (438963.0, 3749071.1, 153.5, 1142.1, 2.0); (438947.1,

3749069.1,	153.6,	1142.1,	2.0);		
(438932.4,	3749067.4,	153.6,	1142.1,	2.0);	(438917.5,
3749065.3,	153.7,	1142.1,	2.0);		
(438902.8,	3749063.1,	153.6,	1142.1,	2.0);	(438888.1,
3749060.2,	153.2,	1142.1,	2.0);		
(438870.8,	3749057.6,	153.0,	1142.1,	2.0);	(438854.9,
3749058.0,	153.0,	1142.1,	2.0);		
(438838.0,	3749060.2,	153.3,	1142.1,	2.0);	(438779.5,
3749017.8,	155.3,	1142.1,	2.0);		
(438784.5,	3749046.0,	155.3,	1142.1,	2.0);	(438762.9,
3749004.6,	155.4,	1142.1,	2.0);		
(438815.8,	3749066.2,	153.8,	1142.1,	2.0);	(439042.5,
3748895.5,	160.7,	1142.1,	2.0);		
(439038.5,	3748865.8,	163.8,	1142.1,	2.0);	(438999.1,
3748811.4,	169.3,	1142.1,	2.0);		
(438921.2,	3748750.7,	169.3,	1142.1,	2.0);	(438794.0,
3748719.9,	136.3,	1142.1,	2.0);		
(438730.9,	3748880.7,	139.1,	1142.1,	2.0);	(438748.5,
3748863.0,	139.0,	1142.1,	2.0);		
(438764.6,	3748843.8,	139.2,	1142.1,	2.0);	(438785.5,
3748816.7,	136.1,	1142.1,	2.0);		
(438805.1,	3748788.0,	136.7,	1142.1,	2.0);	(438803.2,
3748750.8,	136.5,	1142.1,	2.0);		
(438788.4,	3748703.2,	136.7,	1142.1,	2.0);	(438780.5,
3748674.0,	136.6,	1142.1,	2.0);		
(438768.9,	3748645.4,	136.5,	1142.1,	2.0);	(438751.6,
3748620.5,	135.7,	1142.1,	2.0);		
(438730.3,	3748595.8,	135.0,	1142.1,	2.0);	(438712.2,
3748572.0,	133.7,	1142.1,	2.0);		
(438693.5,	3748548.8,	131.9,	1142.1,	2.0);	(438676.8,
3748525.0,	131.1,	1142.1,	2.0);		
(438655.8,	3748497.8,	131.0,	1142.1,	2.0);	(438639.1,
3748475.7,	131.4,	1142.1,	2.0);		
(438619.5,	3748452.5,	131.5,	1142.1,	2.0);	(438600.3,
3748429.8,	131.6,	1142.1,	2.0);		
(438580.7,	3748404.6,	131.1,	1142.1,	2.0);	(438561.4,
3748384.2,	131.1,	1142.1,	2.0);		
(438540.8,	3748363.8,	131.1,	1142.1,	2.0);	(438520.9,
3748341.1,	131.1,	1142.1,	2.0);		
(438500.0,	3748320.4,	130.5,	1142.1,	2.0);	(438735.7,
3748992.6,	156.9,	1142.1,	2.0);		
(438675.3,	3748985.1,	148.4,	1142.1,	2.0);	(439331.0,
3749107.6,	146.2,	1142.1,	2.0);		
(439341.9,	3749117.1,	145.5,	1142.1,	2.0);	(439353.6,
3749127.3,	144.5,	1142.1,	2.0);		
(439366.1,	3749137.4,	143.4,	1142.1,	2.0);	(439375.7,
3749143.9,	142.6,	1142.1,	2.0);		
(439388.4,	3749153.5,	141.3,	1142.1,	2.0);	(439400.5,
3749162.1,	140.2,	1142.1,	2.0);		
(439413.6,	3749169.9,	139.5,	1142.1,	2.0);	(439425.7,

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3749178.1,    138.9,    1142.1,    2.0);
( 439449.6, 3749192.9,    138.5,    1142.1,    2.0);      ( 439473.0,
3749214.4,    138.5,    1142.1,    2.0);
( 439800.8, 3749040.5,    147.5,    1142.1,    2.0);      ( 439873.8,
3748887.4,    156.3,    1142.1,    2.0);
( 439887.6, 3748802.5,    161.9,    1142.1,    2.0);      ( 440077.8,
3748740.2,    180.5,    1142.1,    2.0);
( 440019.2, 3748682.1,    178.2,    1142.1,    2.0);      ( 439929.6,
3748601.8,    215.7,    1142.1,    2.0);
( 439955.0, 3748605.9,    216.9,    1142.1,    2.0);      ( 439983.2,
3748614.2,    213.8,    1142.1,    2.0);
( 440006.2, 3748617.4,    211.2,    1142.1,    2.0);      ( 440071.3,
3748624.4,    201.1,    1142.1,    2.0);
( 440087.9, 3748639.6,    190.9,    1142.1,    2.0);      ( 440117.0,
3748767.0,    190.4,    1142.1,    2.0);
( 439940.2, 3748575.0,    215.8,    1142.1,    2.0);      ( 439996.1,
3748506.2,    215.9,    1142.1,    2.0);
( 440023.3, 3748475.8,    213.2,    1142.1,    2.0);      ( 440043.2,
3748463.8,    217.3,    1142.1,    2.0);
^ *** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 ***      06/11/24
*** AERMET - VERSION 16216 ***      ***
***      10:24:41

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 440054.7, 3748448.5,    218.5,    1142.1,    2.0);      ( 440063.5,
3748429.6,    219.1,    1142.1,    2.0);
( 440072.3, 3748414.8,    221.0,    1142.1,    2.0);      ( 440083.8,
3748396.4,    222.7,    1142.1,    2.0);
( 440096.3, 3748378.8,    225.5,    1142.1,    2.0);      ( 440105.1,
3748361.8,    227.1,    1142.1,    2.0);
( 440106.9, 3748342.8,    226.4,    1142.1,    2.0);      ( 440120.8,
3748318.8,    231.8,    1142.1,    2.0);
( 440122.7, 3748286.9,    233.8,    1142.1,    2.0);      ( 440117.3,
3748252.6,    235.6,    1142.1,    2.0);
( 440121.3, 3748218.1,    241.7,    1142.1,    2.0);      ( 440128.1,
3748298.0,    235.1,    1142.1,    2.0);
( 440266.3, 3748117.4,    245.8,    1142.1,    2.0);      ( 440165.5,
3747898.5,    272.1,    1142.1,    2.0);
( 440191.3, 3747915.0,    264.6,    1142.1,    2.0);      ( 440206.6,
3747939.3,    273.8,    1142.1,    2.0);
( 440247.4, 3747944.8,    263.2,    1142.1,    2.0);      ( 440266.7,
3747950.7,    259.8,    1142.1,    2.0);
( 440283.1, 3747959.7,    258.2,    1142.1,    2.0);      ( 440300.0,

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^ *** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 ***          06/11/24
*** AERMET - VERSION 16216 ***      ***
***                                  ***
***                                  10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ U*

PROCESSING ***

[illegible]

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED

(METERS/SEC)

1.54, 3.09, 5.14, 8.23,
 10.80,
 *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/11/24
 *** AERMET - VERSION 16216 *** ***
 *** 10:24:41

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 *** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*
 *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
 DATA ***

Surface file: KRAL_V9_ADJU\KRAL_v9.SFC
 Met Version: 16216
 Profile file: KRAL_V9_ADJU\KRAL_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3171 Upper air station no.: 3190
 Name: UNKNOWN Name: UNKNOWN
 Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
12	01	01	1	01	-25.6	0.266	-9.000	-9.000	-999.	330.	77.9	0.15	2.40	
1.00	2.93	55.	10.1	288.1	2.0									
12	01	01	1	02	-26.8	0.277	-9.000	-9.000	-999.	351.	84.7	0.15	2.40	
1.00	3.05	55.	10.1	287.0	2.0									
12	01	01	1	03	-21.5	0.221	-9.000	-9.000	-999.	250.	53.5	0.15	2.40	
1.00	2.45	74.	10.1	284.2	2.0									
12	01	01	1	04	-22.0	0.227	-9.000	-9.000	-999.	260.	56.8	0.15	2.40	
1.00	2.52	77.	10.1	285.9	2.0									
12	01	01	1	05	-20.0	0.206	-9.000	-9.000	-999.	225.	46.8	0.15	2.40	
1.00	2.30	80.	10.1	285.4	2.0									
12	01	01	1	06	-14.4	0.171	-9.000	-9.000	-999.	170.	32.1	0.15	2.40	
1.00	1.93	79.	10.1	287.0	2.0									
12	01	01	1	07	-14.9	0.174	-9.000	-9.000	-999.	174.	33.2	0.15	2.40	
1.00	1.96	77.	10.1	284.2	2.0									
12	01	01	1	08	-11.9	0.169	-9.000	-9.000	-999.	167.	36.1	0.15	2.40	
0.53	1.89	77.	10.1	288.1	2.0									
12	01	01	1	09	40.4	0.234	0.359	0.006	40.	272.	-28.1	0.15	2.40	
0.31	2.10	81.	10.1	289.2	2.0									
12	01	01	1	10	112.6	0.246	0.742	0.005	129.	293.	-11.8	0.15	2.40	

0.24	1.99	101.	10.1	296.4	2.0								
12	01	01	1	11	161.0	0.402	1.188	0.005	369.	611.	-35.6	0.15	2.40
0.21	3.68	78.	10.1	298.8	2.0								
12	01	01	1	12	184.7	0.337	1.516	0.005	668.	473.	-18.4	0.15	2.40
0.20	2.89	68.	10.1	300.4	2.0								
12	01	01	1	13	183.9	0.310	1.809	0.005	1139.	414.	-14.2	0.15	2.40
0.20	2.57	64.	10.1	302.5	2.0								
12	01	01	1	14	156.6	0.374	1.852	0.005	1434.	549.	-29.5	0.15	2.40
0.22	3.37	63.	10.1	303.1	2.0								
12	01	01	1	15	104.3	0.382	1.658	0.005	1546.	567.	-47.2	0.15	2.40
0.25	3.59	62.	10.1	302.5	2.0								
12	01	01	1	16	31.8	0.374	1.123	0.005	1573.	550.	-145.8	0.15	2.40
0.34	3.76	69.	10.1	300.9	2.0								
12	01	01	1	17	-23.3	0.276	-9.000	-9.000	-999.	354.	84.0	0.15	2.40
0.62	3.03	59.	10.1	297.5	2.0								
12	01	01	1	18	-21.5	0.229	-9.000	-9.000	-999.	264.	57.8	0.15	2.40
1.00	2.54	54.	10.1	295.4	2.0								
12	01	01	1	19	-19.3	0.204	-9.000	-9.000	-999.	221.	45.6	0.15	2.40
1.00	2.27	79.	10.1	292.0	2.0								
12	01	01	1	20	-20.7	0.218	-9.000	-9.000	-999.	244.	52.2	0.15	2.40
1.00	2.42	79.	10.1	292.5	2.0								
12	01	01	1	21	-19.7	0.206	-9.000	-9.000	-999.	225.	46.9	0.15	2.40
1.00	2.30	95.	10.1	290.9	2.0								
12	01	01	1	22	-17.6	0.190	-9.000	-9.000	-999.	199.	39.8	0.15	2.40
1.00	2.13	78.	10.1	290.4	2.0								
12	01	01	1	23	-20.3	0.211	-9.000	-9.000	-999.	233.	49.0	0.15	2.40
1.00	2.35	52.	10.1	289.2	2.0								
12	01	01	1	24	-16.4	0.183	-9.000	-9.000	-999.	189.	37.0	0.15	2.40
1.00	2.06	75.	10.1	288.8	2.0								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.1	1	55.	2.93	288.2	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

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^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:24:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2
, VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10
, VOL11 , VOL12 , VOL13 ,

	VOL14	, VOL15	, VOL16	, VOL17	, VOL18
, VOL19	, VOL20	, VOL21	,		
	VOL22	, VOL23	, VOL24	, VOL25	, VOL26
, VOL27	, VOL28	, . . .	,		

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_{2.5} IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
439259.97	3749072.65	0.15255	(16010524)	439277.61
3749070.69	0.15711	(16010524)		
439298.40	3749082.06	0.15077	(16010524)	439312.13
3749091.08	0.14567	(16010624)		
439321.93	3749098.54	0.14145	(16010624)	439240.72
3749074.67	0.14700	(16010524)		
439217.60	3749084.06	0.13659	(16010524)	439205.31
3749089.84	0.13113	(16010524)		
439192.07	3749096.35	0.12552	(16010524)	439179.54
3749103.09	0.12036	(16010524)		
439169.91	3749108.15	0.11667	(16010524)	439157.14
3749113.69	0.11240	(16010524)		
439137.63	3749079.00	0.11710	(16010524)	439113.31
3749079.24	0.11137	(16010524)		
439099.82	3749078.76	0.10903	(16092024)	439085.37
3749079.00	0.10674	(16092024)		
439071.88	3749078.76	0.10489	(16092024)	439045.63
3749077.56	0.10168	(16092024)		
438992.40	3749075.39	0.09493	(16092024)	438978.19
3749072.74	0.09349	(16092024)		
438963.01	3749071.06	0.09214	(14121224)	438947.12
3749069.13	0.09084	(14121224)		
438932.42	3749067.44	0.08961	(14121224)	438917.49
3749065.27	0.08842	(14121224)		
438902.80	3749063.11	0.08715	(14121224)	438888.11
3749060.22	0.08585	(14121224)		
438870.76	3749057.57	0.08414	(14121224)	438854.87
3749058.05	0.08219	(14121224)		
438838.01	3749060.22	0.07998	(14121224)	438779.48
3749017.83	0.07536	(14121224)		
438784.54	3749046.01	0.07453	(14121224)	438762.86
3749004.58	0.07318	(14121224)		
438815.85	3749066.24	0.07674	(14121224)	439042.50
3748895.54	0.15181	(14121224)		
439038.53	3748865.79	0.16750	(14121224)	438999.14

3748811.38	0.18688	(14121224)	
438921.22	3748750.74	0.14788	(15112724) 438794.05
3748719.90	0.10648	(15112724)	
438730.91	3748880.70	0.06340	(14121224) 438748.55
3748863.05	0.06729	(16111024)	
438764.63	3748843.83	0.07178	(16111024) 438785.55
3748816.73	0.07822	(15112724)	
438805.14	3748787.97	0.08954	(15112724) 438803.16
3748750.85	0.10029	(15112724)	
438788.42	3748703.24	0.10900	(15112724) 438780.49
3748674.05	0.11209	(15112724)	
438768.87	3748645.43	0.11218	(15112724) 438751.58
3748620.50	0.10846	(15112724)	
438730.33	3748595.84	0.10251	(15112724) 438712.19
3748572.04	0.09625	(15112724)	
438693.49	3748548.80	0.09074	(14121624) 438676.77
3748525.00	0.08695	(14121624)	
438655.80	3748497.80	0.08175	(14121624) 438639.08
3748475.69	0.07734	(14121624)	
438619.53	3748452.46	0.07384	(16122924) 438600.26
3748429.79	0.07212	(16122924)	
438580.71	3748404.57	0.07003	(16122924) 438561.44
3748384.17	0.06764	(16122924)	
438540.75	3748363.76	0.06501	(16122924) 438520.92
3748341.09	0.06253	(16122924)	
438499.95	3748320.41	0.05982	(16122924) 438735.66
3748992.65	0.06905	(14121224)	
438675.26	3748985.08	0.05758	(14121224) 439331.05
3749107.64	0.13574	(16010624)	
439341.93	3749117.09	0.12970	(16010624) 439353.60
3749127.33	0.12283	(16010624)	
439366.09	3749137.37	0.11605	(16010624) 439375.72
3749143.92	0.11154	(16010624)	
439388.41	3749153.54	0.10490	(16010624) 439400.49
3749162.14	0.09908	(16010624)	
439413.60	3749169.92	0.09389	(12041324) 439425.68
3749178.11	0.08998	(12041324)	
439449.64	3749192.86	0.08258	(12041324) 439473.05
3749214.38	0.07447	(13030724)	
439800.83	3749040.52	0.17280	(13100924) 439873.79
3748887.43	0.42645m	(13112124)	
439887.64	3748802.52	0.51942	(14111124) 440077.78
3748740.21	0.20983	(15042424)	
440019.17	3748682.06	0.27040	(14111124) 439929.64
3748601.76	0.33547	(14111124)	

^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/11/24
 *** AERMET - VERSION 16216 *** ***
 *** 10:24:41

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2
 , VOL3 , VOL4 , VOL5 ,
 , VOL6 , VOL7 , VOL8 , VOL9 , VOL10
 , VOL11 , VOL12 , VOL13 ,
 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18
 , VOL19 , VOL20 , VOL21 ,
 , VOL22 , VOL23 , VOL24 , VOL25 , VOL26
 , VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_{2.5} IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
439955.02	3748605.92	0.28730	(14111124)	439983.17
3748614.22	0.26538	(15042424)		
440006.24	3748617.45	0.25046	(15042424)	440071.32
3748624.38	0.21681	(12050124)		
440087.93	3748639.61	0.21530	(15042424)	440117.00
3748766.98	0.18650m	(13112124)		
439940.25	3748575.00	0.31803	(16122324)	439996.09
3748506.23	0.25056	(12042324)		
440023.32	3748475.77	0.22662	(12042324)	440043.16
3748463.78	0.20349	(12042324)		
440054.70	3748448.55	0.18928	(12042324)	440063.47
3748429.62	0.17548	(12042324)		
440072.29	3748414.84	0.16264	(12042324)	440083.83
3748396.38	0.14767	(12042324)		
440096.29	3748378.84	0.13264	(12042324)	440105.06
3748361.76	0.11990	(12042324)		
440106.91	3748342.84	0.11307	(12113024)	440120.75
3748318.84	0.10116	(12113024)		
440122.71	3748286.94	0.09211	(15092124)	440117.33
3748252.65	0.08340	(15092124)		
440121.30	3748218.07	0.07193	(15092124)	440128.10
3748298.00	0.09339	(15092124)		
440266.27	3748117.44	0.04905c	(12112824)	440165.45
3747898.52	0.03722	(16011824)		
440191.34	3747915.00	0.03830	(16011824)	440206.64
3747939.32	0.03920	(16011824)		

440247.44	3747944.82	0.03856	(16011824)	440266.66
3747950.70	0.03810	(16011824)		
440283.14	3747959.73	0.03763	(16011824)	440300.01
3747969.14	0.03702c	(12112824)		
440321.20	3747989.15	0.03780c	(12112824)	440293.34
3748093.90	0.04631c	(12112824)		
440300.01	3748071.14	0.04420c	(12112824)	440307.86
3748048.39	0.04226c	(12112824)		
440314.13	3748028.38	0.04062c	(12112824)	440320.02
3748006.80	0.03889c	(12112824)		
440335.28	3747569.25	0.02077	(16011824)	440507.19
3748971.21	0.09237m	(13112124)		
439956.03	3749044.31	0.12982	(13100924)	439952.87
3748770.03	0.34849	(14111124)		
438867.06	3748863.17	0.11107	(14121224)	

^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/11/24
 *** AERMET - VERSION 16216 *** ***
 *** 10:24:41

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR

RESULTS ***

** CONC OF PM_{2.5} IN MICROGRAMS/M**3

**

GROUP ID		AVERAGE CONC		DATE	RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)		OF TYPE	GRID-ID	(YYMMDDHH)	

ALL HIGH 1ST HIGH VALUE IS 0.51942 ON 14111124: AT (439887.64,
 3748802.52, 161.93, 1142.09, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
 Green River Ranch\12630 0 *** 06/11/24
 *** AERMET - VERSION 16216 *** ***
 *** 10:24:41

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
 A Total of 2 Warning Message(s)
 A Total of 1638 Informational Message(s)

 A Total of 43848 Hours Were Processed

 A Total of 1039 Calm Hours Identified

 A Total of 599 Missing Hours Identified (1.37 Percent)

***** FATAL ERROR MESSAGES *****
 *** NONE ***

***** WARNING MESSAGES *****
 ME W186 1134 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
 0.50
 ME W187 1134 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 *** AERMOD Finishes Successfully ***

**

**

** AERMOD Input Produced by:
 ** AERMOD View Ver. 12.0.0
 ** Lakes Environmental Software Inc.
 ** Date: 6/11/2024
 ** File: C:\Users\adadabhoy\Desktop\AERMOD\12630 Green River Ranch\12630 Ops
 CO\12630 Ops CO.ADI

**

**

**

** AERMOD Control Pathway

**

**

CO STARTING
 TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\12630 Green River Ranch\12630 0
 MODELOPT DFAULT CONC
 AVERTIME 1 8
 URBANOPT 2189641 Riverside_County
 POLLUTID CO
 FLAGPOLE 2.00
 RUNORNOT RUN
 ERRORFIL "12630 Ops CO.err"

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION VOL1	VOLUME	439309.748	3748858.376	161.250
LOCATION VOL2	VOLUME	439374.128	3748922.763	156.930
LOCATION VOL3	VOLUME	439455.801	3748932.328	154.240
LOCATION VOL4	VOLUME	439463.159	3748879.351	157.760
LOCATION VOL5	VOLUME	439391.051	3748849.183	160.760
LOCATION VOL6	VOLUME	439538.210	3748941.894	153.630
LOCATION VOL7	VOLUME	439791.324	3748855.070	157.420
LOCATION VOL8	VOLUME	439711.122	3748854.334	157.470
LOCATION VOL9	VOLUME	439633.128	3748853.598	157.760
LOCATION VOL10	VOLUME	439551.455	3748852.127	158.730
LOCATION VOL11	VOLUME	439793.532	3748775.604	163.250
LOCATION VOL12	VOLUME	439712.594	3748774.868	161.370
LOCATION VOL13	VOLUME	439632.392	3748774.132	162.310
LOCATION VOL14	VOLUME	439552.190	3748773.396	163.870
LOCATION VOL15	VOLUME	439471.989	3748772.661	162.240
LOCATION VOL16	VOLUME	439391.051	3748771.925	164.850
LOCATION VOL17	VOLUME	439310.849	3748769.717	165.560
LOCATION VOL18	VOLUME	439121.750	3748688.044	178.040
LOCATION VOL19	VOLUME	439202.687	3748688.044	176.120
LOCATION VOL20	VOLUME	439283.625	3748689.516	171.580
LOCATION VOL21	VOLUME	439365.298	3748690.251	170.660
LOCATION VOL22	VOLUME	439446.972	3748692.459	169.250
LOCATION VOL23	VOLUME	439528.645	3748693.930	171.250
LOCATION VOL24	VOLUME	439610.318	3748694.666	167.770
LOCATION VOL25	VOLUME	439691.992	3748693.195	166.370
LOCATION VOL26	VOLUME	439772.929	3748693.195	175.080
LOCATION VOL27	VOLUME	439822.963	3748612.993	188.660
LOCATION VOL28	VOLUME	439743.497	3748613.729	173.330
LOCATION VOL29	VOLUME	439662.560	3748612.993	177.500
LOCATION VOL30	VOLUME	439583.094	3748613.729	177.610
LOCATION VOL31	VOLUME	439502.156	3748613.729	180.210

LOCATION VOL32	VOLUME	439421.219	3748612.993	175.050
LOCATION VOL33	VOLUME	439341.753	3748613.729	180.220
LOCATION VOL34	VOLUME	439260.815	3748613.729	185.530
LOCATION VOL35	VOLUME	439180.613	3748611.521	196.860
LOCATION VOL36	VOLUME	439132.787	3748609.314	188.370
LOCATION VOL37	VOLUME	439132.051	3748527.640	198.180
LOCATION VOL38	VOLUME	439212.988	3748528.376	207.120
LOCATION VOL39	VOLUME	439291.719	3748530.584	210.020
LOCATION VOL40	VOLUME	439372.656	3748531.319	192.510
LOCATION VOL41	VOLUME	439453.594	3748530.584	191.060
LOCATION VOL42	VOLUME	439535.267	3748532.791	202.180
LOCATION VOL43	VOLUME	439616.205	3748533.527	177.120
LOCATION VOL44	VOLUME	439697.142	3748532.791	199.900
LOCATION VOL45	VOLUME	439778.080	3748534.998	179.030
LOCATION VOL46	VOLUME	439821.492	3748532.055	188.360
LOCATION VOL48	VOLUME	439213.724	3748448.174	212.290
LOCATION VOL49	VOLUME	439293.926	3748449.646	227.840
LOCATION VOL50	VOLUME	439373.392	3748451.118	194.220
LOCATION VOL51	VOLUME	439452.858	3748449.646	203.050
LOCATION VOL52	VOLUME	439534.531	3748451.118	218.960
LOCATION VOL53	VOLUME	439614.733	3748453.325	186.120
LOCATION VOL54	VOLUME	439696.407	3748454.797	204.900
LOCATION VOL55	VOLUME	439780.287	3748453.325	199.550
LOCATION VOL58	VOLUME	439290.247	3748369.444	229.260
LOCATION VOL59	VOLUME	439370.449	3748369.444	199.150
LOCATION VOL60	VOLUME	439451.386	3748370.916	231.160
LOCATION VOL61	VOLUME	439533.796	3748370.916	220.080
LOCATION VOL62	VOLUME	439613.997	3748373.123	193.690
LOCATION VOL63	VOLUME	439693.463	3748374.595	208.120

** Source Parameters **

SRCPARAM VOL1	0.0173763677	5.000	18.651	1.400
SRCPARAM VOL2	0.016466348	5.000	18.651	1.400
SRCPARAM VOL3	0.016466348	5.000	18.651	1.400
SRCPARAM VOL4	0.016466348	5.000	18.651	1.400
SRCPARAM VOL5	0.016466348	5.000	18.651	1.400
SRCPARAM VOL6	0.016466348	5.000	18.651	1.400
SRCPARAM VOL7	0.016466348	5.000	18.651	1.400
SRCPARAM VOL8	0.016466348	5.000	18.651	1.400
SRCPARAM VOL9	0.016466348	5.000	18.651	1.400
SRCPARAM VOL10	0.016466348	5.000	18.651	1.400
SRCPARAM VOL11	0.016466348	5.000	18.651	1.400
SRCPARAM VOL12	0.016466348	5.000	18.651	1.400
SRCPARAM VOL13	0.016466348	5.000	18.651	1.400
SRCPARAM VOL14	0.016466348	5.000	18.651	1.400
SRCPARAM VOL15	0.016466348	5.000	18.651	1.400
SRCPARAM VOL16	0.016466348	5.000	18.651	1.400
SRCPARAM VOL17	0.016466348	5.000	18.651	1.400
SRCPARAM VOL18	0.016466348	5.000	18.651	1.400
SRCPARAM VOL19	0.016466348	5.000	18.651	1.400
SRCPARAM VOL20	0.016466348	5.000	18.651	1.400

SRCPARAM VOL21	0.016466348	5.000	18.651	1.400
SRCPARAM VOL22	0.016466348	5.000	18.651	1.400
SRCPARAM VOL23	0.016466348	5.000	18.651	1.400
SRCPARAM VOL24	0.016466348	5.000	18.651	1.400
SRCPARAM VOL25	0.016466348	5.000	18.651	1.400
SRCPARAM VOL26	0.016466348	5.000	18.651	1.400
SRCPARAM VOL27	0.016466348	5.000	18.651	1.400
SRCPARAM VOL28	0.016466348	5.000	18.651	1.400
SRCPARAM VOL29	0.016466348	5.000	18.651	1.400
SRCPARAM VOL30	0.016466348	5.000	18.651	1.400
SRCPARAM VOL31	0.016466348	5.000	18.651	1.400
SRCPARAM VOL32	0.016466348	5.000	18.651	1.400
SRCPARAM VOL33	0.016466348	5.000	18.651	1.400
SRCPARAM VOL34	0.016466348	5.000	18.651	1.400
SRCPARAM VOL35	0.016466348	5.000	18.651	1.400
SRCPARAM VOL36	0.016466348	5.000	18.651	1.400
SRCPARAM VOL37	0.016466348	5.000	18.651	1.400
SRCPARAM VOL38	0.016466348	5.000	18.651	1.400
SRCPARAM VOL39	0.016466348	5.000	18.651	1.400
SRCPARAM VOL40	0.016466348	5.000	18.651	1.400
SRCPARAM VOL41	0.016466348	5.000	18.651	1.400
SRCPARAM VOL42	0.016466348	5.000	18.651	1.400
SRCPARAM VOL43	0.016466348	5.000	18.651	1.400
SRCPARAM VOL44	0.016466348	5.000	18.651	1.400
SRCPARAM VOL45	0.016466348	5.000	18.651	1.400
SRCPARAM VOL46	0.016466348	5.000	18.651	1.400
SRCPARAM VOL48	0.016466348	5.000	18.651	1.400
SRCPARAM VOL49	0.016466348	5.000	18.651	1.400
SRCPARAM VOL50	0.016466348	5.000	18.651	1.400
SRCPARAM VOL51	0.016466348	5.000	18.651	1.400
SRCPARAM VOL52	0.016466348	5.000	18.651	1.400
SRCPARAM VOL53	0.016466348	5.000	18.651	1.400
SRCPARAM VOL54	0.016466348	5.000	18.651	1.400
SRCPARAM VOL55	0.016466348	5.000	18.651	1.400
SRCPARAM VOL58	0.016466348	5.000	18.651	1.400
SRCPARAM VOL59	0.016466348	5.000	18.651	1.400
SRCPARAM VOL60	0.016466348	5.000	18.651	1.400
SRCPARAM VOL61	0.016466348	5.000	18.651	1.400
SRCPARAM VOL62	0.016466348	5.000	18.651	1.400
SRCPARAM VOL63	0.016466348	5.000	18.651	1.400
URBANSRC ALL				

** Variable Emissions Type: "By Hour / Day (HRDOW)"

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT VOL1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL1	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Saturday:

EMISFACT VOL1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL2	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL3	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL4	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	

[illegible]

EMISFACT VOL8	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL8	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL8	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL8	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL8	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL8	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL8	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL8	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL8	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL8	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL8	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL8	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL9	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL9	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL9	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL9	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL9	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL9	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL9	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL9	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL9	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL9	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL9	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL9	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL10	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL10	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL10	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL10	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL10	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL10	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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:	

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL61	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL61	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL61	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
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
SRCGROUP ALL	
SO FINISHED	
**	

** AERMOD Receptor Pathway	

```

**
**
RE STARTING
  INCLUDED "12630 Ops CO.rou"
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
  SURFFILE KRAL_V9_ADJU\KRAL_v9.SFC
  PROFFILE KRAL_V9_ADJU\KRAL_v9.PFL
  SURFDATA 3171 2012
  UAIRDATA 3190 2012
  PROFBASE 245.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
  RECTABLE 8 1ST
** Auto-Generated Plotfiles
  PLOTFILE 1 ALL 1ST "12630 OPS CO.AD\01H1GALL.PLT" 31
  PLOTFILE 8 ALL 1ST "12630 OPS CO.AD\08H1GALL.PLT" 32
  SUMMFILE "12630 Ops CO.sum"
OU FINISHED
**
*****
** Project Parameters
*****
** PROJCTN CoordinateSystemUTM
** DESCPTN UTM: Universal Transverse Mercator
** DATUM North American Datum 1983
** DTMRGN CONUS
** UNITS m
** ZONE 11
** ZONEINX 0
**
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0

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** Lakes Environmental Software Inc.
** Date: 6/11/2024
** File: C:\Users\adadabhoy\Desktop\AERMOD\12630 Green River Ranch\12630 Ops
CO\12630 Ops CO.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\12630 Green River Ranch\12630 O
  MODELOPT DFAULT CONC
  AVERTIME 1 8
  URBANOPT 2189641 Riverside_County
  POLLUTID CO
  FLAGPOLE 2.00
  RUNORNOT RUN
  ERRORFIL "12630 Ops CO.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION VOL1      VOLUME      439309.748    3748858.376    161.250
LOCATION VOL2      VOLUME      439374.128    3748922.763    156.930
LOCATION VOL3      VOLUME      439455.801    3748932.328    154.240
LOCATION VOL4      VOLUME      439463.159    3748879.351    157.760
LOCATION VOL5      VOLUME      439391.051    3748849.183    160.760
LOCATION VOL6      VOLUME      439538.210    3748941.894    153.630
LOCATION VOL7      VOLUME      439791.324    3748855.070    157.420
LOCATION VOL8      VOLUME      439711.122    3748854.334    157.470
LOCATION VOL9      VOLUME      439633.128    3748853.598    157.760
LOCATION VOL10     VOLUME      439551.455    3748852.127    158.730
LOCATION VOL11     VOLUME      439793.532    3748775.604    163.250
LOCATION VOL12     VOLUME      439712.594    3748774.868    161.370
LOCATION VOL13     VOLUME      439632.392    3748774.132    162.310
LOCATION VOL14     VOLUME      439552.190    3748773.396    163.870
LOCATION VOL15     VOLUME      439471.989    3748772.661    162.240
LOCATION VOL16     VOLUME      439391.051    3748771.925    164.850
LOCATION VOL17     VOLUME      439310.849    3748769.717    165.560
LOCATION VOL18     VOLUME      439121.750    3748688.044    178.040

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LOCATION VOL19	VOLUME	439202.687	3748688.044	176.120
LOCATION VOL20	VOLUME	439283.625	3748689.516	171.580
LOCATION VOL21	VOLUME	439365.298	3748690.251	170.660
LOCATION VOL22	VOLUME	439446.972	3748692.459	169.250
LOCATION VOL23	VOLUME	439528.645	3748693.930	171.250
LOCATION VOL24	VOLUME	439610.318	3748694.666	167.770
LOCATION VOL25	VOLUME	439691.992	3748693.195	166.370
LOCATION VOL26	VOLUME	439772.929	3748693.195	175.080
LOCATION VOL27	VOLUME	439822.963	3748612.993	188.660
LOCATION VOL28	VOLUME	439743.497	3748613.729	173.330
LOCATION VOL29	VOLUME	439662.560	3748612.993	177.500
LOCATION VOL30	VOLUME	439583.094	3748613.729	177.610
LOCATION VOL31	VOLUME	439502.156	3748613.729	180.210
LOCATION VOL32	VOLUME	439421.219	3748612.993	175.050
LOCATION VOL33	VOLUME	439341.753	3748613.729	180.220
LOCATION VOL34	VOLUME	439260.815	3748613.729	185.530
LOCATION VOL35	VOLUME	439180.613	3748611.521	196.860
LOCATION VOL36	VOLUME	439132.787	3748609.314	188.370
LOCATION VOL37	VOLUME	439132.051	3748527.640	198.180
LOCATION VOL38	VOLUME	439212.988	3748528.376	207.120
LOCATION VOL39	VOLUME	439291.719	3748530.584	210.020
LOCATION VOL40	VOLUME	439372.656	3748531.319	192.510
LOCATION VOL41	VOLUME	439453.594	3748530.584	191.060
LOCATION VOL42	VOLUME	439535.267	3748532.791	202.180
LOCATION VOL43	VOLUME	439616.205	3748533.527	177.120
LOCATION VOL44	VOLUME	439697.142	3748532.791	199.900
LOCATION VOL45	VOLUME	439778.080	3748534.998	179.030
LOCATION VOL46	VOLUME	439821.492	3748532.055	188.360
LOCATION VOL48	VOLUME	439213.724	3748448.174	212.290
LOCATION VOL49	VOLUME	439293.926	3748449.646	227.840
LOCATION VOL50	VOLUME	439373.392	3748451.118	194.220
LOCATION VOL51	VOLUME	439452.858	3748449.646	203.050
LOCATION VOL52	VOLUME	439534.531	3748451.118	218.960
LOCATION VOL53	VOLUME	439614.733	3748453.325	186.120
LOCATION VOL54	VOLUME	439696.407	3748454.797	204.900
LOCATION VOL55	VOLUME	439780.287	3748453.325	199.550
LOCATION VOL58	VOLUME	439290.247	3748369.444	229.260
LOCATION VOL59	VOLUME	439370.449	3748369.444	199.150
LOCATION VOL60	VOLUME	439451.386	3748370.916	231.160
LOCATION VOL61	VOLUME	439533.796	3748370.916	220.080
LOCATION VOL62	VOLUME	439613.997	3748373.123	193.690
LOCATION VOL63	VOLUME	439693.463	3748374.595	208.120

** Source Parameters **

SRCPARAM VOL1	0.0173763677	5.000	18.651	1.400
SRCPARAM VOL2	0.016466348	5.000	18.651	1.400
SRCPARAM VOL3	0.016466348	5.000	18.651	1.400
SRCPARAM VOL4	0.016466348	5.000	18.651	1.400
SRCPARAM VOL5	0.016466348	5.000	18.651	1.400
SRCPARAM VOL6	0.016466348	5.000	18.651	1.400
SRCPARAM VOL7	0.016466348	5.000	18.651	1.400

[illegible]

SRCPARAM VOL61	0.016466348	5.000	18.651	1.400
SRCPARAM VOL62	0.016466348	5.000	18.651	1.400
SRCPARAM VOL63	0.016466348	5.000	18.651	1.400
URBANSRC ALL				

** Variable Emissions Type: "By Hour / Day (HRDOW)"

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT VOL2	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL3	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT VOL3	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL4	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT 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
** 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:	
EMISFACT VOL13	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL13	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL13	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL13	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL13	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL13	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL13	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL13	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL13	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL13	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

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EMISFACT VOL20	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL20	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL20	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL20	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL20	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL20	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL21	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL21	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL21	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL21	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL21	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL21	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL21	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL21	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL21	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL21	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL21	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL21	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL22	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL22	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL22	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL22	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL22	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL22	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL22	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL22	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** 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

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EMISFACT VOL30	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL30	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** 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
** 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

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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
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

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EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL51	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL52	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL52	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL53	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL53	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL53	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL53	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL53	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL53	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL53	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL53	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL53	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL53	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL53	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL53	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL54	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL54	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL54	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL54	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL54	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL54	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL54	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL54	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL54	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL54	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

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[illegible]

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    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
    SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
    INCLUDED "12630 Ops CO.rou"
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
    SURFFILE KRAL_V9_ADJU\KRAL_v9.SFC
    PROFFILE KRAL_V9_ADJU\KRAL_v9.PFL
    SURFDATA 3171 2012
    UAIRDATA 3190 2012
    PROFBASE 245.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
    RECTABLE ALLAVE 1ST
    RECTABLE 1 1ST
    RECTABLE 8 1ST
** Auto-Generated Plotfiles
    PLOTFILE 1 ALL 1ST "12630 OPS CO.AD\01H1GALL.PLT" 31
    PLOTFILE 8 ALL 1ST "12630 OPS CO.AD\08H1GALL.PLT" 32
    SUMMFILE "12630 Ops CO.sum"
OU FINISHED

```

*** Message Summary For AERMOD Model Setup ***

```
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 1085 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 1085 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

```

```
*****
*** SETUP Finishes Successfully ***
*****
```

```

*** AERMOD - VERSION 23132 ***      *** C:\Users\Michael Tirohn\Desktop\HRAS\12630
Green River Ranch\12630 0 ***      06/11/24
*** AERMET - VERSION 16216 ***      ***
***      ***      10:38:48

```

```

*** MODELOPTs:      RegDFault  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

```

*** MODEL SETUP OPTIONS SUMMARY

**** Model Options Selected:**

- ```

* Model Uses Regulatory DEFAULT Options
* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 60 Source(s),
 for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.

```

- \* ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET
- \* CCVR\_Sub - Meteorological data includes CCVR substitutions
- \* TEMP\_Sub - Meteorological data includes TEMP substitutions
- \* Model Accepts FLAGPOLE Receptor . Heights.
- \* The User Specified a Pollutant Type of: CO

\*\*Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR

\*\*This Run Includes: 60 Source(s); 1 Source Group(s); and 121 Receptor(s)

with: 0 POINT(s), including  
 0 POINTCAP(s) and 0 POINTHOR(s)  
 and: 60 VOLUME source(s)  
 and: 0 AREA type source(s)  
 and: 0 LINE source(s)  
 and: 0 RLINE/RLINEXT source(s)  
 and: 0 OPENPIT source(s)  
 and: 0 BUOYANT LINE source(s) with a total of 0 line(s)  
 and: 0 SWPOINT source(s)

\*\*Model Set To Continue RUNning After the Setup Testing.

\*\*The AERMET Input Meteorological Data Version Date: 16216

\*\*Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE  
 Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE  
 Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE  
 Keyword)

\*\*NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours  
 m for Missing

Hours

b for Both Calm  
 and Missing Hours

\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 245.00 ; Decay  
 Coef. = 0.000 ; Rot. Angle = 0.0

Emission Units = GRAMS/SEC ;  
 Emission Rate Unit Factor = 0.10000E+07  
 Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 3.6 MB of RAM.

\*\*Input Runstream File: aermod.inp

\*\*Output Print File: aermod.out

\*\*Detailed Error/Message File: 12630 Ops CO.err

\*\*File for Summary of Results: 12630 Ops CO.sum

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE     |          | BASE     | RELEASE  | INIT.    |
|----------|--------|----------|-------------|----------|----------|----------|----------|----------|
| SOURCE   |        | EMISSION | RATE        | AIRCRAFT |          |          |          |          |
| SZ       | SOURCE | PART.    | (GRAMS/SEC) | X        | Y        | ELEV.    | HEIGHT   | SY       |
| ID       |        | SCALAR   | VARY        |          |          |          |          |          |
| (METERS) |        | CATS.    |             | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |
|          |        | BY       |             |          |          |          |          |          |

|       |     |       |             |          |           |       |      |       |
|-------|-----|-------|-------------|----------|-----------|-------|------|-------|
| VOL1  |     | 0     | 0.17376E-01 | 439309.7 | 3748858.4 | 161.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL2  |     | 0     | 0.16466E-01 | 439374.1 | 3748922.8 | 156.9 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL3  |     | 0     | 0.16466E-01 | 439455.8 | 3748932.3 | 154.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL4  |     | 0     | 0.16466E-01 | 439463.2 | 3748879.4 | 157.8 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL5  |     | 0     | 0.16466E-01 | 439391.1 | 3748849.2 | 160.8 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL6  |     | 0     | 0.16466E-01 | 439538.2 | 3748941.9 | 153.6 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL7  |     | 0     | 0.16466E-01 | 439791.3 | 3748855.1 | 157.4 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL8  |     | 0     | 0.16466E-01 | 439711.1 | 3748854.3 | 157.5 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL9  |     | 0     | 0.16466E-01 | 439633.1 | 3748853.6 | 157.8 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL10 |     | 0     | 0.16466E-01 | 439551.5 | 3748852.1 | 158.7 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL11 |     | 0     | 0.16466E-01 | 439793.5 | 3748775.6 | 163.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL12 |     | 0     | 0.16466E-01 | 439712.6 | 3748774.9 | 161.4 | 5.00 | 18.65 |

|       |     |       |             |          |           |       |      |       |
|-------|-----|-------|-------------|----------|-----------|-------|------|-------|
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL13 |     | 0     | 0.16466E-01 | 439632.4 | 3748774.1 | 162.3 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL14 |     | 0     | 0.16466E-01 | 439552.2 | 3748773.4 | 163.9 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL15 |     | 0     | 0.16466E-01 | 439472.0 | 3748772.7 | 162.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL16 |     | 0     | 0.16466E-01 | 439391.1 | 3748771.9 | 164.9 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL17 |     | 0     | 0.16466E-01 | 439310.8 | 3748769.7 | 165.6 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL18 |     | 0     | 0.16466E-01 | 439121.8 | 3748688.0 | 178.0 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL19 |     | 0     | 0.16466E-01 | 439202.7 | 3748688.0 | 176.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL20 |     | 0     | 0.16466E-01 | 439283.6 | 3748689.5 | 171.6 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL21 |     | 0     | 0.16466E-01 | 439365.3 | 3748690.3 | 170.7 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL22 |     | 0     | 0.16466E-01 | 439447.0 | 3748692.5 | 169.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL23 |     | 0     | 0.16466E-01 | 439528.6 | 3748693.9 | 171.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL24 |     | 0     | 0.16466E-01 | 439610.3 | 3748694.7 | 167.8 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL25 |     | 0     | 0.16466E-01 | 439692.0 | 3748693.2 | 166.4 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL26 |     | 0     | 0.16466E-01 | 439772.9 | 3748693.2 | 175.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL27 |     | 0     | 0.16466E-01 | 439823.0 | 3748613.0 | 188.7 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL28 |     | 0     | 0.16466E-01 | 439743.5 | 3748613.7 | 173.3 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL29 |     | 0     | 0.16466E-01 | 439662.6 | 3748613.0 | 177.5 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL30 |     | 0     | 0.16466E-01 | 439583.1 | 3748613.7 | 177.6 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL31 |     | 0     | 0.16466E-01 | 439502.2 | 3748613.7 | 180.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL32 |     | 0     | 0.16466E-01 | 439421.2 | 3748613.0 | 175.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL33 |     | 0     | 0.16466E-01 | 439341.8 | 3748613.7 | 180.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL34 |     | 0     | 0.16466E-01 | 439260.8 | 3748613.7 | 185.5 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL35 |     | 0     | 0.16466E-01 | 439180.6 | 3748611.5 | 196.9 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL36 |     | 0     | 0.16466E-01 | 439132.8 | 3748609.3 | 188.4 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL37 |     | 0     | 0.16466E-01 | 439132.1 | 3748527.6 | 198.2 | 5.00 | 18.65 |



|       |     |       |             |          |           |       |      |       |
|-------|-----|-------|-------------|----------|-----------|-------|------|-------|
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL38 |     | 0     | 0.16466E-01 | 439213.0 | 3748528.4 | 207.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL39 |     | 0     | 0.16466E-01 | 439291.7 | 3748530.6 | 210.0 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL40 |     | 0     | 0.16466E-01 | 439372.7 | 3748531.3 | 192.5 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE     |          | BASE     | RELEASE  | INIT.    |
|----------|--------|----------|-------------|----------|----------|----------|----------|----------|
| SOURCE   |        | EMISSION | RATE        | AIRCRAFT |          |          |          |          |
| SZ       | SOURCE | PART.    | (GRAMS/SEC) | X        | Y        | ELEV.    | HEIGHT   | SY       |
| ID       |        | SCALAR   | VARY        |          |          |          |          |          |
| (METERS) |        | CATS.    |             | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |
|          |        | BY       |             |          |          |          |          |          |

-----

|       |     |       |             |          |           |       |      |       |
|-------|-----|-------|-------------|----------|-----------|-------|------|-------|
| VOL41 |     | 0     | 0.16466E-01 | 439453.6 | 3748530.6 | 191.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL42 |     | 0     | 0.16466E-01 | 439535.3 | 3748532.8 | 202.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL43 |     | 0     | 0.16466E-01 | 439616.2 | 3748533.5 | 177.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL44 |     | 0     | 0.16466E-01 | 439697.1 | 3748532.8 | 199.9 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL45 |     | 0     | 0.16466E-01 | 439778.1 | 3748535.0 | 179.0 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL46 |     | 0     | 0.16466E-01 | 439821.5 | 3748532.1 | 188.4 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL48 |     | 0     | 0.16466E-01 | 439213.7 | 3748448.2 | 212.3 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL49 |     | 0     | 0.16466E-01 | 439293.9 | 3748449.6 | 227.8 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL50 |     | 0     | 0.16466E-01 | 439373.4 | 3748451.1 | 194.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL51 |     | 0     | 0.16466E-01 | 439452.9 | 3748449.6 | 203.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL52 |     | 0     | 0.16466E-01 | 439534.5 | 3748451.1 | 219.0 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL53 |     | 0     | 0.16466E-01 | 439614.7 | 3748453.3 | 186.1 | 5.00 | 18.65 |

|       |     |       |             |          |           |       |      |       |
|-------|-----|-------|-------------|----------|-----------|-------|------|-------|
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL54 |     | 0     | 0.16466E-01 | 439696.4 | 3748454.8 | 204.9 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL55 |     | 0     | 0.16466E-01 | 439780.3 | 3748453.3 | 199.6 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL58 |     | 0     | 0.16466E-01 | 439290.2 | 3748369.4 | 229.3 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL59 |     | 0     | 0.16466E-01 | 439370.4 | 3748369.4 | 199.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL60 |     | 0     | 0.16466E-01 | 439451.4 | 3748370.9 | 231.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL61 |     | 0     | 0.16466E-01 | 439533.8 | 3748370.9 | 220.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL62 |     | 0     | 0.16466E-01 | 439614.0 | 3748373.1 | 193.7 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL63 |     | 0     | 0.16466E-01 | 439693.5 | 3748374.6 | 208.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

| SRCGROUP ID | SOURCE IDs |         |         |         |         |   |
|-------------|------------|---------|---------|---------|---------|---|
| -----       | -----      |         |         |         |         |   |
| ALL         | VOL1       | , VOL2  | , VOL3  | , VOL4  | , VOL5  | , |
| VOL6        | , VOL7     | , VOL8  | ,       |         |         |   |
|             | VOL9       | , VOL10 | , VOL11 | , VOL12 | , VOL13 | , |
| VOL14       | , VOL15    | , VOL16 | ,       |         |         |   |
|             | VOL17      | , VOL18 | , VOL19 | , VOL20 | , VOL21 | , |
| VOL22       | , VOL23    | , VOL24 | ,       |         |         |   |
|             | VOL25      | , VOL26 | , VOL27 | , VOL28 | , VOL29 | , |
| VOL30       | , VOL31    | , VOL32 | ,       |         |         |   |
|             | VOL33      | , VOL34 | , VOL35 | , VOL36 | , VOL37 | , |
| VOL38       | , VOL39    | , VOL40 | ,       |         |         |   |
|             | VOL41      | , VOL42 | , VOL43 | , VOL44 | , VOL45 | , |
| VOL46       | , VOL48    | , VOL49 | ,       |         |         |   |

VOL50 , VOL51 , VOL52 , VOL53 , VOL54 ,  
VOL55 , VOL58 , VOL59 ,

VOL60 , VOL61 , VOL62 , VOL63 ,  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES  
\*\*\*

| URBAN ID     | URBAN POP               | SOURCE IDs                                     |
|--------------|-------------------------|------------------------------------------------|
| -----        | -----                   | -----                                          |
| VOL5<br>VOL8 | 2189641.<br>, VOL6<br>, | VOL1 , VOL2 , VOL3 , VOL4 ,<br>, VOL7 ,        |
| VOL14        | VOL9<br>, VOL15         | , VOL10 , VOL11 , VOL12 , VOL13 ,<br>, VOL16 , |
| VOL22        | VOL17<br>, VOL23        | , VOL18 , VOL19 , VOL20 , VOL21 ,<br>, VOL24 , |
| VOL30        | VOL25<br>, VOL31        | , VOL26 , VOL27 , VOL28 , VOL29 ,<br>, VOL32 , |
| VOL38        | VOL33<br>, VOL39        | , VOL34 , VOL35 , VOL36 , VOL37 ,<br>, VOL40 , |
| VOL46        | VOL41<br>, VOL48        | , VOL42 , VOL43 , VOL44 , VOL45 ,<br>, VOL49 , |
| VOL55        | VOL50<br>, VOL58        | , VOL51 , VOL52 , VOL53 , VOL54 ,<br>, VOL59 , |

VOL60 , VOL61 , VOL62 , VOL63 ,  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

|   |           |   |           |   |           |   |           |   |           |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 |
| 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |   |           |   |           |

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*      06/11/24  
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                                  \*\*\*      10:38:48

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

|                  |        |      |        |                        |        |      |        |      |        |
|------------------|--------|------|--------|------------------------|--------|------|--------|------|--------|
| SOURCE ID = 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 |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|

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6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
- - - - - DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
- - - - - DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:38:48

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00



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14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = 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
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :

| 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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14   | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14   | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14   | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17   | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 | 21   | .0000E+00 |
| 22   | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |      |           |

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\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:38:48

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :

| 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

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*      06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = 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  
 \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 - - - - -  
 - - - - -  
 DAY OF WEEK = WEEKDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
 14 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00  
 DAY OF WEEK = SATURDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00  
 DAY OF WEEK = SUNDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00  
 \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|------|--------|------|--------|------|--------|------|--------|------|--------|
| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |      |        |      |        |
| -    | -      | -    | -      | -    | -      | -    | -      | -    | -      |
| -    | -      | -    | -      | -    | -      | -    | -      | -    | -      |

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL14                      ; SOURCE TYPE = VOLUME                      :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|------|--------|------|--------|------|--------|------|--------|------|--------|
| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |      |        |      |        |
| -    | -      | -    | -      | -    | -      | -    | -      | -    | -      |
| -    | -      | -    | -      | -    | -      | -    | -      | -    | -      |

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|   |           |   |           |   |           |   |           |   |           |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|



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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR  
- - - - -  
DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00  
DAY OF WEEK = SATURDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00  
DAY OF WEEK = SUNDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -

```

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DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

```



14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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-----

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 - - - - -

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01

14 .1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 | 9    | .1000E+01 | 10   | .1000E+01 |
| 11   | .1000E+01 | 12   | .1000E+01 | 13   | .1000E+01 | 14   | .1000E+01 | 15   | .1000E+01 |
| 16   | .1000E+01 | 17   | .0000E+00 | 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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 | 9    | .0000E+00 | 10   | .0000E+00 |
| 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 | 14   | .0000E+00 | 15   | .0000E+00 |
| 16   | .0000E+00 | 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 | 9    | .0000E+00 | 10   | .0000E+00 |
| 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 | 14   | .0000E+00 | 15   | .0000E+00 |
| 16   | .0000E+00 | 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 | 9    | .0000E+00 | 10   | .0000E+00 |
| 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 | 14   | .0000E+00 | 15   | .0000E+00 |
| 16   | .0000E+00 | 17   | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 |
| 21   | .0000E+00 | 22   | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |

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 06/11/24  
 10:38:48

\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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Green River Ranch\12630 0 *** 06/11/24

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ U\*

|                   |        |      |        |                        |        |      |        |      |        |      |        |
|-------------------|--------|------|--------|------------------------|--------|------|--------|------|--------|------|--------|
| SOURCE ID = VOL26 |        |      |        | ; SOURCE TYPE = VOLUME |        | :    |        |      |        |      |        |
| HOUR              | SCALAR | HOUR | SCALAR | HOUR                   | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
| HOUR              | SCALAR | HOUR | SCALAR | HOUR                   | SCALAR |      |        |      |        |      |        |

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = 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
▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:38:48

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01

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14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00

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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
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Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

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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
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) \*

```
SOURCE ID = 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
▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:38:48
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```
SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
```

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:38:48

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00

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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
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*



|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*      06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
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\*\*\* MODELOPTs:      RegDFault    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL38                      ; SOURCE TYPE = VOLUME                      :  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR  
 - - - - -

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

^ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 - - - - -  
 - - - - -  
 DAY OF WEEK = WEEKDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
 14 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00  
 DAY OF WEEK = SATURDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00  
 DAY OF WEEK = SUNDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

^ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR



HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*      06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                                  \*\*\*      10:38:48

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\*\*\* MODELOPTs:      RegDEFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = 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 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*      06/11/24

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\*\*\* 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR  
- - - - -  
DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00  
DAY OF WEEK = SATURDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00  
DAY OF WEEK = SUNDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR  
- - - - -

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- - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -

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```

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

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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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Green River Ranch\12630 0 \*\*\* 06/11/24

\*\*\* AERMET - VERSION 16216 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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Green River Ranch\12630 0 \*\*\* 06/11/24

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10:38:48

\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL48 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

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 -----

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* 10:38:48

\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL49 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

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 -----

DAY OF WEEK = WEEKDAY

|    |           |           |           |           |           |           |           |           |           |           |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1  | .0000E+00 | 2         | .0000E+00 | 3         | .0000E+00 | 4         | .0000E+00 | 5         | .0000E+00 |           |
| 6  | .0000E+00 | 7         | .0000E+00 | 8         | .0000E+00 |           |           |           |           |           |
|    | 9         | .1000E+01 | 10        | .1000E+01 | 11        | .1000E+01 | 12        | .1000E+01 | 13        | .1000E+01 |
| 14 | .1000E+01 | 15        | .1000E+01 | 16        | .1000E+01 |           |           |           |           |           |
|    | 17        | .0000E+00 | 18        | .0000E+00 | 19        | .0000E+00 | 20        | .0000E+00 | 21        | .0000E+00 |
| 22 | .0000E+00 | 23        | .0000E+00 | 24        | .0000E+00 |           |           |           |           |           |

DAY OF WEEK = SATURDAY

|    |           |           |           |           |           |           |           |           |           |           |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1  | .0000E+00 | 2         | .0000E+00 | 3         | .0000E+00 | 4         | .0000E+00 | 5         | .0000E+00 |           |
| 6  | .0000E+00 | 7         | .0000E+00 | 8         | .0000E+00 |           |           |           |           |           |
|    | 9         | .0000E+00 | 10        | .0000E+00 | 11        | .0000E+00 | 12        | .0000E+00 | 13        | .0000E+00 |
| 14 | .0000E+00 | 15        | .0000E+00 | 16        | .0000E+00 |           |           |           |           |           |
|    | 17        | .0000E+00 | 18        | .0000E+00 | 19        | .0000E+00 | 20        | .0000E+00 | 21        | .0000E+00 |
| 22 | .0000E+00 | 23        | .0000E+00 | 24        | .0000E+00 |           |           |           |           |           |

DAY OF WEEK = SUNDAY

|    |           |           |           |           |           |           |           |           |           |           |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1  | .0000E+00 | 2         | .0000E+00 | 3         | .0000E+00 | 4         | .0000E+00 | 5         | .0000E+00 |           |
| 6  | .0000E+00 | 7         | .0000E+00 | 8         | .0000E+00 |           |           |           |           |           |
|    | 9         | .0000E+00 | 10        | .0000E+00 | 11        | .0000E+00 | 12        | .0000E+00 | 13        | .0000E+00 |
| 14 | .0000E+00 | 15        | .0000E+00 | 16        | .0000E+00 |           |           |           |           |           |
|    | 17        | .0000E+00 | 18        | .0000E+00 | 19        | .0000E+00 | 20        | .0000E+00 | 21        | .0000E+00 |
| 22 | .0000E+00 | 23        | .0000E+00 | 24        | .0000E+00 |           |           |           |           |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*      06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
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\*\*\* MODELOPTs:    RegDFAULT   CONC   ELEV   FLGPOL   URBAN   ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

|                   |        |      |        |                        |        |      |        |      |        |
|-------------------|--------|------|--------|------------------------|--------|------|--------|------|--------|
| SOURCE ID = VOL50 |        |      |        | ; SOURCE TYPE = VOLUME |        |      |        |      |        |
| HOUR              | SCALAR | HOUR | SCALAR | HOUR                   | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
| HOUR              | SCALAR | HOUR | SCALAR | HOUR                   | SCALAR |      |        |      |        |

-----

DAY OF WEEK = WEEKDAY

|    |           |           |           |           |           |           |           |           |           |           |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1  | .0000E+00 | 2         | .0000E+00 | 3         | .0000E+00 | 4         | .0000E+00 | 5         | .0000E+00 |           |
| 6  | .0000E+00 | 7         | .0000E+00 | 8         | .0000E+00 |           |           |           |           |           |
|    | 9         | .1000E+01 | 10        | .1000E+01 | 11        | .1000E+01 | 12        | .1000E+01 | 13        | .1000E+01 |
| 14 | .1000E+01 | 15        | .1000E+01 | 16        | .1000E+01 |           |           |           |           |           |
|    | 17        | .0000E+00 | 18        | .0000E+00 | 19        | .0000E+00 | 20        | .0000E+00 | 21        | .0000E+00 |
| 22 | .0000E+00 | 23        | .0000E+00 | 24        | .0000E+00 |           |           |           |           |           |

DAY OF WEEK = SATURDAY

|    |           |           |           |           |           |           |           |           |           |           |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1  | .0000E+00 | 2         | .0000E+00 | 3         | .0000E+00 | 4         | .0000E+00 | 5         | .0000E+00 |           |
| 6  | .0000E+00 | 7         | .0000E+00 | 8         | .0000E+00 |           |           |           |           |           |
|    | 9         | .0000E+00 | 10        | .0000E+00 | 11        | .0000E+00 | 12        | .0000E+00 | 13        | .0000E+00 |
| 14 | .0000E+00 | 15        | .0000E+00 | 16        | .0000E+00 |           |           |           |           |           |
|    | 17        | .0000E+00 | 18        | .0000E+00 | 19        | .0000E+00 | 20        | .0000E+00 | 21        | .0000E+00 |
| 22 | .0000E+00 | 23        | .0000E+00 | 24        | .0000E+00 |           |           |           |           |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*  
 Green River Ranch\12630 0 \*\*\*  
 \*\*\* AERMET - VERSION 16216 \*\*\*

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL51 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .1000E+01 | 10   | .1000E+01 | 11   | .1000E+01 | 12   | .1000E+01 | 13   | .1000E+01 |
| 14   | .1000E+01 | 15   | .1000E+01 | 16   | .1000E+01 |      |           |      |           |
| 17   | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 | 21   | .0000E+00 |
| 22   | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |      |           |

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*  
 Green River Ranch\12630 0 \*\*\*  
 \*\*\* AERMET - VERSION 16216 \*\*\*

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = 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

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL53 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR  
- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*      06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                                  \*\*\*      10:38:48

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\*\*\* MODELOPTs:    RegDFault   CONC   ELEV   FLGPOL   URBAN   ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL54                    ; SOURCE TYPE = VOLUME                    :  
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR  
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR  
 - - - - -  
 - - - - -

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|   |           |   |           |   |           |   |           |   |           |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|

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6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL55 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

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SOURCE ID = 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
▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = 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

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = 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

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14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL61 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL62 ; SOURCE TYPE = VOLUME :

| 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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14   | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14   | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14   | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17   | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 | 21   | .0000E+00 |
| 22   | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |      |           |

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:38:48

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL63 ; SOURCE TYPE = VOLUME :

| 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

DAY OF WEEK = SATURDAY

|    |           |           |           |           |           |           |           |           |           |           |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1  | .0000E+00 | 2         | .0000E+00 | 3         | .0000E+00 | 4         | .0000E+00 | 5         | .0000E+00 |           |
| 6  | .0000E+00 | 7         | .0000E+00 | 8         | .0000E+00 |           |           |           |           |           |
|    | 9         | .0000E+00 | 10        | .0000E+00 | 11        | .0000E+00 | 12        | .0000E+00 | 13        | .0000E+00 |
| 14 | .0000E+00 | 15        | .0000E+00 | 16        | .0000E+00 |           |           |           |           |           |
|    | 17        | .0000E+00 | 18        | .0000E+00 | 19        | .0000E+00 | 20        | .0000E+00 | 21        | .0000E+00 |
| 22 | .0000E+00 | 23        | .0000E+00 | 24        | .0000E+00 |           |           |           |           |           |

DAY OF WEEK = SUNDAY

|    |           |           |           |           |           |           |           |           |           |           |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1  | .0000E+00 | 2         | .0000E+00 | 3         | .0000E+00 | 4         | .0000E+00 | 5         | .0000E+00 |           |
| 6  | .0000E+00 | 7         | .0000E+00 | 8         | .0000E+00 |           |           |           |           |           |
|    | 9         | .0000E+00 | 10        | .0000E+00 | 11        | .0000E+00 | 12        | .0000E+00 | 13        | .0000E+00 |
| 14 | .0000E+00 | 15        | .0000E+00 | 16        | .0000E+00 |           |           |           |           |           |
|    | 17        | .0000E+00 | 18        | .0000E+00 | 19        | .0000E+00 | 20        | .0000E+00 | 21        | .0000E+00 |
| 22 | .0000E+00 | 23        | .0000E+00 | 24        | .0000E+00 |           |           |           |           |           |

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24

\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\*

10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
(METERS)

|                                             |                                             |
|---------------------------------------------|---------------------------------------------|
| ( 439260.0, 3749072.6, 149.6, 1142.1, 2.0); | ( 439277.6, 3749070.7, 149.3, 1142.1, 2.0); |
| ( 439298.4, 3749082.1, 148.2, 1142.1, 2.0); | ( 439312.1, 3749091.1, 147.4, 1142.1, 2.0); |
| ( 439321.9, 3749098.5, 146.8, 1142.1, 2.0); | ( 439240.7, 3749074.7, 149.8, 1142.1, 2.0); |
| ( 439217.6, 3749084.1, 149.2, 1142.1, 2.0); | ( 439205.3, 3749089.8, 148.8, 1142.1, 2.0); |
| ( 439192.1, 3749096.3, 148.3, 1142.1, 2.0); | ( 439179.5, 3749103.1, 147.9, 1142.1, 2.0); |
| ( 439169.9, 3749108.1, 147.6, 1142.1, 2.0); | ( 439157.1, 3749113.7, 147.2, 1142.1, 2.0); |
| ( 439137.6, 3749079.0, 150.0, 1142.1, 2.0); | ( 439113.3, 3749079.2, 150.5, 1142.1, 2.0); |
| ( 439099.8, 3749078.8, 150.5, 1142.1, 2.0); | ( 439085.4, 3749079.0, 150.6, 1142.1, 2.0); |
| ( 439071.9, 3749078.8, 150.9, 1142.1, 2.0); | ( 439045.6, 3749077.6, 152.1, 1142.1, 2.0); |
| ( 438992.4, 3749075.4, 153.1, 1142.1, 2.0); | ( 438978.2, 3749072.7, 153.3, 1142.1, 2.0); |
| ( 438963.0, 3749071.1, 153.5, 1142.1, 2.0); | ( 438947.1, 3749069.1, 153.6, 1142.1, 2.0); |
| ( 438932.4, 3749067.4, 153.6, 1142.1, 2.0); | ( 438917.5, 3749065.3, 153.7, 1142.1, 2.0); |



|                                             |             |
|---------------------------------------------|-------------|
| ( 438902.8, 3749063.1, 153.6, 1142.1, 2.0); | ( 438888.1, |
| 3749060.2, 153.2, 1142.1, 2.0);             |             |
| ( 438870.8, 3749057.6, 153.0, 1142.1, 2.0); | ( 438854.9, |
| 3749058.0, 153.0, 1142.1, 2.0);             |             |
| ( 438838.0, 3749060.2, 153.3, 1142.1, 2.0); | ( 438779.5, |
| 3749017.8, 155.3, 1142.1, 2.0);             |             |
| ( 438784.5, 3749046.0, 155.3, 1142.1, 2.0); | ( 438762.9, |
| 3749004.6, 155.4, 1142.1, 2.0);             |             |
| ( 438815.8, 3749066.2, 153.8, 1142.1, 2.0); | ( 439042.5, |
| 3748895.5, 160.7, 1142.1, 2.0);             |             |
| ( 439038.5, 3748865.8, 163.8, 1142.1, 2.0); | ( 438999.1, |
| 3748811.4, 169.3, 1142.1, 2.0);             |             |
| ( 438921.2, 3748750.7, 169.3, 1142.1, 2.0); | ( 438794.0, |
| 3748719.9, 136.3, 1142.1, 2.0);             |             |
| ( 438730.9, 3748880.7, 139.1, 1142.1, 2.0); | ( 438748.5, |
| 3748863.0, 139.0, 1142.1, 2.0);             |             |
| ( 438764.6, 3748843.8, 139.2, 1142.1, 2.0); | ( 438785.5, |
| 3748816.7, 136.1, 1142.1, 2.0);             |             |
| ( 438805.1, 3748788.0, 136.7, 1142.1, 2.0); | ( 438803.2, |
| 3748750.8, 136.5, 1142.1, 2.0);             |             |
| ( 438788.4, 3748703.2, 136.7, 1142.1, 2.0); | ( 438780.5, |
| 3748674.0, 136.6, 1142.1, 2.0);             |             |
| ( 438768.9, 3748645.4, 136.5, 1142.1, 2.0); | ( 438751.6, |
| 3748620.5, 135.7, 1142.1, 2.0);             |             |
| ( 438730.3, 3748595.8, 135.0, 1142.1, 2.0); | ( 438712.2, |
| 3748572.0, 133.7, 1142.1, 2.0);             |             |
| ( 438693.5, 3748548.8, 131.9, 1142.1, 2.0); | ( 438676.8, |
| 3748525.0, 131.1, 1142.1, 2.0);             |             |
| ( 438655.8, 3748497.8, 131.0, 1142.1, 2.0); | ( 438639.1, |
| 3748475.7, 131.4, 1142.1, 2.0);             |             |
| ( 438619.5, 3748452.5, 131.5, 1142.1, 2.0); | ( 438600.3, |
| 3748429.8, 131.6, 1142.1, 2.0);             |             |
| ( 438580.7, 3748404.6, 131.1, 1142.1, 2.0); | ( 438561.4, |
| 3748384.2, 131.1, 1142.1, 2.0);             |             |
| ( 438540.8, 3748363.8, 131.1, 1142.1, 2.0); | ( 438520.9, |
| 3748341.1, 131.1, 1142.1, 2.0);             |             |
| ( 438500.0, 3748320.4, 130.5, 1142.1, 2.0); | ( 438735.7, |
| 3748992.6, 156.9, 1142.1, 2.0);             |             |
| ( 438675.3, 3748985.1, 148.4, 1142.1, 2.0); | ( 439331.0, |
| 3749107.6, 146.2, 1142.1, 2.0);             |             |
| ( 439341.9, 3749117.1, 145.5, 1142.1, 2.0); | ( 439353.6, |
| 3749127.3, 144.5, 1142.1, 2.0);             |             |
| ( 439366.1, 3749137.4, 143.4, 1142.1, 2.0); | ( 439375.7, |
| 3749143.9, 142.6, 1142.1, 2.0);             |             |
| ( 439388.4, 3749153.5, 141.3, 1142.1, 2.0); | ( 439400.5, |
| 3749162.1, 140.2, 1142.1, 2.0);             |             |
| ( 439413.6, 3749169.9, 139.5, 1142.1, 2.0); | ( 439425.7, |
| 3749178.1, 138.9, 1142.1, 2.0);             |             |
| ( 439449.6, 3749192.9, 138.5, 1142.1, 2.0); | ( 439473.0, |
| 3749214.4, 138.5, 1142.1, 2.0);             |             |

```

(439800.8, 3749040.5, 147.5, 1142.1, 2.0); (439873.8,
3748887.4, 156.3, 1142.1, 2.0);
(439887.6, 3748802.5, 161.9, 1142.1, 2.0); (440077.8,
3748740.2, 180.5, 1142.1, 2.0);
(440019.2, 3748682.1, 178.2, 1142.1, 2.0); (439929.6,
3748601.8, 215.7, 1142.1, 2.0);
(439955.0, 3748605.9, 216.9, 1142.1, 2.0); (439983.2,
3748614.2, 213.8, 1142.1, 2.0);
(440006.2, 3748617.4, 211.2, 1142.1, 2.0); (440071.3,
3748624.4, 201.1, 1142.1, 2.0);
(440087.9, 3748639.6, 190.9, 1142.1, 2.0); (440117.0,
3748767.0, 190.4, 1142.1, 2.0);
(439940.2, 3748575.0, 215.8, 1142.1, 2.0); (439996.1,
3748506.2, 215.9, 1142.1, 2.0);
(440023.3, 3748475.8, 213.2, 1142.1, 2.0); (440043.2,
3748463.8, 217.3, 1142.1, 2.0);
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
(METERS)

```

(440054.7, 3748448.5, 218.5, 1142.1, 2.0); (440063.5,
3748429.6, 219.1, 1142.1, 2.0);
(440072.3, 3748414.8, 221.0, 1142.1, 2.0); (440083.8,
3748396.4, 222.7, 1142.1, 2.0);
(440096.3, 3748378.8, 225.5, 1142.1, 2.0); (440105.1,
3748361.8, 227.1, 1142.1, 2.0);
(440106.9, 3748342.8, 226.4, 1142.1, 2.0); (440120.8,
3748318.8, 231.8, 1142.1, 2.0);
(440122.7, 3748286.9, 233.8, 1142.1, 2.0); (440117.3,
3748252.6, 235.6, 1142.1, 2.0);
(440121.3, 3748218.1, 241.7, 1142.1, 2.0); (440128.1,
3748298.0, 235.1, 1142.1, 2.0);
(440266.3, 3748117.4, 245.8, 1142.1, 2.0); (440165.5,
3747898.5, 272.1, 1142.1, 2.0);
(440191.3, 3747915.0, 264.6, 1142.1, 2.0); (440206.6,
3747939.3, 273.8, 1142.1, 2.0);
(440247.4, 3747944.8, 263.2, 1142.1, 2.0); (440266.7,
3747950.7, 259.8, 1142.1, 2.0);
(440283.1, 3747959.7, 258.2, 1142.1, 2.0); (440300.0,
3747969.1, 258.9, 1142.1, 2.0);
(440321.2, 3747989.1, 257.1, 1142.1, 2.0); (440293.3,
3748093.9, 240.7, 1142.1, 2.0);

```

```

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** *** 10:38:48

```

```
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*
```

PROCESSING \*\*\*

[illegible]

\*\*\* UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED

(METERS/SEC)

10.80,

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630

```
*** AERMET - VERSION 16216 ***
*** 10.
```

\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

DATA \*\*\*

Met Version: 16216

Surface format: FREE

Name: UNKNOWN

Name: UNKNOWN

Year: 2012

| YR     | MO  | DY | JDY | HR | H0  | U* | W* | DT/DZ | ZICNV | ZIMCH | M-O | LEN | Z0 | BOWEN |
|--------|-----|----|-----|----|-----|----|----|-------|-------|-------|-----|-----|----|-------|
| ALBEDO | REF | WS | WD  | HT | REF | TA | HT |       |       |       |     |     |    |       |

|      |    |      |   |      |       |       |        |        |       |      |       |      |      |
|------|----|------|---|------|-------|-------|--------|--------|-------|------|-------|------|------|
| 12   | 01 | 01   | 1 | 01   | -25.6 | 0.266 | -9.000 | -9.000 | -999. | 330. | 77.9  | 0.15 | 2.40 |
| 1.00 |    | 2.93 |   | 55.  | 10.1  | 288.1 | 2.0    |        |       |      |       |      |      |
| 12   | 01 | 01   | 1 | 02   | -26.8 | 0.277 | -9.000 | -9.000 | -999. | 351. | 84.7  | 0.15 | 2.40 |
| 1.00 |    | 3.05 |   | 55.  | 10.1  | 287.0 | 2.0    |        |       |      |       |      |      |
| 12   | 01 | 01   | 1 | 03   | -21.5 | 0.221 | -9.000 | -9.000 | -999. | 250. | 53.5  | 0.15 | 2.40 |
| 1.00 |    | 2.45 |   | 74.  | 10.1  | 284.2 | 2.0    |        |       |      |       |      |      |
| 12   | 01 | 01   | 1 | 04   | -22.0 | 0.227 | -9.000 | -9.000 | -999. | 260. | 56.8  | 0.15 | 2.40 |
| 1.00 |    | 2.52 |   | 77.  | 10.1  | 285.9 | 2.0    |        |       |      |       |      |      |
| 12   | 01 | 01   | 1 | 05   | -20.0 | 0.206 | -9.000 | -9.000 | -999. | 225. | 46.8  | 0.15 | 2.40 |
| 1.00 |    | 2.30 |   | 80.  | 10.1  | 285.4 | 2.0    |        |       |      |       |      |      |
| 12   | 01 | 01   | 1 | 06   | -14.4 | 0.171 | -9.000 | -9.000 | -999. | 170. | 32.1  | 0.15 | 2.40 |
| 1.00 |    | 1.93 |   | 79.  | 10.1  | 287.0 | 2.0    |        |       |      |       |      |      |
| 12   | 01 | 01   | 1 | 07   | -14.9 | 0.174 | -9.000 | -9.000 | -999. | 174. | 33.2  | 0.15 | 2.40 |
| 1.00 |    | 1.96 |   | 77.  | 10.1  | 284.2 | 2.0    |        |       |      |       |      |      |
| 12   | 01 | 01   | 1 | 08   | -11.9 | 0.169 | -9.000 | -9.000 | -999. | 167. | 36.1  | 0.15 | 2.40 |
| 0.53 |    | 1.89 |   | 77.  | 10.1  | 288.1 | 2.0    |        |       |      |       |      |      |
| 12   | 01 | 01   | 1 | 09   | 40.4  | 0.234 | 0.359  | 0.006  | 40.   | 272. | -28.1 | 0.15 | 2.40 |
| 0.31 |    | 2.10 |   | 81.  | 10.1  | 289.2 | 2.0    |        |       |      |       |      |      |
| 12   | 01 | 01   | 1 | 10   | 112.6 | 0.246 | 0.742  | 0.005  | 129.  | 293. | -11.8 | 0.15 | 2.40 |
| 0.24 |    | 1.99 |   | 101. | 10.1  | 296.4 | 2.0    |        |       |      |       |      |      |
| 12   | 01 | 01   | 1 | 11   | 161.0 | 0.402 | 1.188  | 0.005  | 369.  | 611. | -35.6 | 0.15 | 2.40 |
| 0.21 |    | 3.68 |   | 78.  | 10.1  | 298.8 | 2.0    |        |       |      |       |      |      |

|      |    |    |   |    |       |       |        |        |       |      |        |      |      |
|------|----|----|---|----|-------|-------|--------|--------|-------|------|--------|------|------|
| 12   | 01 | 01 | 1 | 12 | 184.7 | 0.337 | 1.516  | 0.005  | 668.  | 473. | -18.4  | 0.15 | 2.40 |
| 0.20 |    |    |   |    | 2.89  | 68.   | 10.1   | 300.4  | 2.0   |      |        |      |      |
| 12   | 01 | 01 | 1 | 13 | 183.9 | 0.310 | 1.809  | 0.005  | 1139. | 414. | -14.2  | 0.15 | 2.40 |
| 0.20 |    |    |   |    | 2.57  | 64.   | 10.1   | 302.5  | 2.0   |      |        |      |      |
| 12   | 01 | 01 | 1 | 14 | 156.6 | 0.374 | 1.852  | 0.005  | 1434. | 549. | -29.5  | 0.15 | 2.40 |
| 0.22 |    |    |   |    | 3.37  | 63.   | 10.1   | 303.1  | 2.0   |      |        |      |      |
| 12   | 01 | 01 | 1 | 15 | 104.3 | 0.382 | 1.658  | 0.005  | 1546. | 567. | -47.2  | 0.15 | 2.40 |
| 0.25 |    |    |   |    | 3.59  | 62.   | 10.1   | 302.5  | 2.0   |      |        |      |      |
| 12   | 01 | 01 | 1 | 16 | 31.8  | 0.374 | 1.123  | 0.005  | 1573. | 550. | -145.8 | 0.15 | 2.40 |
| 0.34 |    |    |   |    | 3.76  | 69.   | 10.1   | 300.9  | 2.0   |      |        |      |      |
| 12   | 01 | 01 | 1 | 17 | -23.3 | 0.276 | -9.000 | -9.000 | -999. | 354. | 84.0   | 0.15 | 2.40 |
| 0.62 |    |    |   |    | 3.03  | 59.   | 10.1   | 297.5  | 2.0   |      |        |      |      |
| 12   | 01 | 01 | 1 | 18 | -21.5 | 0.229 | -9.000 | -9.000 | -999. | 264. | 57.8   | 0.15 | 2.40 |
| 1.00 |    |    |   |    | 2.54  | 54.   | 10.1   | 295.4  | 2.0   |      |        |      |      |
| 12   | 01 | 01 | 1 | 19 | -19.3 | 0.204 | -9.000 | -9.000 | -999. | 221. | 45.6   | 0.15 | 2.40 |
| 1.00 |    |    |   |    | 2.27  | 79.   | 10.1   | 292.0  | 2.0   |      |        |      |      |
| 12   | 01 | 01 | 1 | 20 | -20.7 | 0.218 | -9.000 | -9.000 | -999. | 244. | 52.2   | 0.15 | 2.40 |
| 1.00 |    |    |   |    | 2.42  | 79.   | 10.1   | 292.5  | 2.0   |      |        |      |      |
| 12   | 01 | 01 | 1 | 21 | -19.7 | 0.206 | -9.000 | -9.000 | -999. | 225. | 46.9   | 0.15 | 2.40 |
| 1.00 |    |    |   |    | 2.30  | 95.   | 10.1   | 290.9  | 2.0   |      |        |      |      |
| 12   | 01 | 01 | 1 | 22 | -17.6 | 0.190 | -9.000 | -9.000 | -999. | 199. | 39.8   | 0.15 | 2.40 |
| 1.00 |    |    |   |    | 2.13  | 78.   | 10.1   | 290.4  | 2.0   |      |        |      |      |
| 12   | 01 | 01 | 1 | 23 | -20.3 | 0.211 | -9.000 | -9.000 | -999. | 233. | 49.0   | 0.15 | 2.40 |
| 1.00 |    |    |   |    | 2.35  | 52.   | 10.1   | 289.2  | 2.0   |      |        |      |      |
| 12   | 01 | 01 | 1 | 24 | -16.4 | 0.183 | -9.000 | -9.000 | -999. | 189. | 37.0   | 0.15 | 2.40 |
| 1.00 |    |    |   |    | 2.06  | 75.   | 10.1   | 288.8  | 2.0   |      |        |      |      |

First hour of profile data

| YR | MO | DY | HR | HEIGHT | F | WDIR | WSPD | AMB_TMP | sigmaA | sigmaW | sigmaV |
|----|----|----|----|--------|---|------|------|---------|--------|--------|--------|
| 12 | 01 | 01 | 01 | 10.1   | 1 | 55.  | 2.93 | 288.2   | 99.0   | -99.00 | -99.00 |

F indicates top of profile (=1) or below (=0)

\*\*\* AERMOD - VERSION 23132 \*\*\*  
 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*  
 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*  
 10:38:48

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S): VOL1 , VOL2  
 , VOL3 , VOL4 , VOL5 ,  
 , VOL6 , VOL7 , VOL8 , VOL9 , VOL10  
 , VOL11 , VOL12 , VOL13 ,  
 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18  
 , VOL19 , VOL20 , VOL21 ,  
 , VOL22 , VOL23 , VOL24 , VOL25 , VOL26

, VOL27 , VOL28 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

|             |                    | ** CONC OF CO |            | IN MICROGRAMS/M**3 |           |
|-------------|--------------------|---------------|------------|--------------------|-----------|
| X-COORD (M) | Y-COORD (M)        | CONC          | (YYMMDDHH) | X-COORD (M)        |           |
| Y-COORD (M) | CONC               | (YYMMDDHH)    |            |                    |           |
| - - - - -   | - - - - -          | - - - - -     | - - - - -  | - - - - -          | - - - - - |
| 439259.97   | 3749072.65         | 8.76500       | (14021809) | 439277.61          |           |
| 3749070.69  | 9.47399 (14021809) |               |            |                    |           |
| 439298.40   | 3749082.06         | 9.78607       | (14021809) | 439312.13          |           |
| 3749091.08  | 9.81156 (14021809) |               |            |                    |           |
| 439321.93   | 3749098.54         | 9.72436       | (14021809) | 439240.72          |           |
| 3749074.67  | 8.02404 (14021809) |               |            |                    |           |
| 439217.60   | 3749084.06         | 7.08613       | (14021809) | 439205.31          |           |
| 3749089.84  | 6.63463 (14021809) |               |            |                    |           |
| 439192.07   | 3749096.35         | 6.18947       | (14021809) | 439179.54          |           |
| 3749103.09  | 5.88466 (13021809) |               |            |                    |           |
| 439169.91   | 3749108.15         | 5.72021       | (13021809) | 439157.14          |           |
| 3749113.69  | 5.53344 (13021809) |               |            |                    |           |
| 439137.63   | 3749079.00         | 5.83345       | (13021809) | 439113.31          |           |
| 3749079.24  | 5.53953 (13021809) |               |            |                    |           |
| 439099.82   | 3749078.76         | 5.37287       | (13021809) | 439085.37          |           |
| 3749079.00  | 5.18772 (13021809) |               |            |                    |           |
| 439071.88   | 3749078.76         | 5.02144       | (13021809) | 439045.63          |           |
| 3749077.56  | 4.70872 (13021809) |               |            |                    |           |
| 438992.40   | 3749075.39         | 4.15498       | (15012916) | 438978.19          |           |
| 3749072.74  | 4.08570 (16120116) |               |            |                    |           |
| 438963.01   | 3749071.06         | 4.01091       | (16120116) | 438947.12          |           |
| 3749069.13  | 3.93552 (16120116) |               |            |                    |           |
| 438932.42   | 3749067.44         | 3.86683       | (16120116) | 438917.49          |           |
| 3749065.27  | 3.80253 (16120116) |               |            |                    |           |
| 438902.80   | 3749063.11         | 3.74134       | (16120116) | 438888.11          |           |
| 3749060.22  | 3.68651 (16120116) |               |            |                    |           |
| 438870.76   | 3749057.57         | 3.61892       | (16120116) | 438854.87          |           |
| 3749058.05  | 3.54246 (16120116) |               |            |                    |           |
| 438838.01   | 3749060.22         | 3.45583       | (16120116) | 438779.48          |           |
| 3749017.83  | 3.40084 (16120116) |               |            |                    |           |
| 438784.54   | 3749046.01         | 3.30040       | (16120116) | 438762.86          |           |
| 3749004.58  | 3.37019 (16120116) |               |            |                    |           |
| 438815.85   | 3749066.24         | 3.33068       | (16120116) | 439042.50          |           |
| 3748895.54  | 6.30704 (13112716) |               |            |                    |           |
| 439038.53   | 3748865.79         | 6.63664       | (13112716) | 438999.14          |           |
| 3748811.38  | 7.48031 (16120116) |               |            |                    |           |
| 438921.22   | 3748750.74         | 7.61427       | (13112716) | 438794.05          |           |
| 3748719.90  | 4.83681 (15021709) |               |            |                    |           |

|            |            |            |            |           |
|------------|------------|------------|------------|-----------|
| 438730.91  | 3748880.70 | 3.73066    | (13112716) | 438748.55 |
| 3748863.05 | 3.94660    | (13112716) |            |           |
| 438764.63  | 3748843.83 | 4.17827    | (13112716) | 438785.55 |
| 3748816.73 | 4.45912    | (13112716) |            |           |
| 438805.14  | 3748787.97 | 4.80923    | (13112716) | 438803.16 |
| 3748750.85 | 4.91350    | (13112716) |            |           |
| 438788.42  | 3748703.24 | 4.97559    | (15021709) | 438780.49 |
| 3748674.05 | 5.15710    | (15021709) |            |           |
| 438768.87  | 3748645.43 | 5.18181    | (15021709) | 438751.58 |
| 3748620.50 | 5.02611    | (15021709) |            |           |
| 438730.33  | 3748595.84 | 4.77012    | (15021709) | 438712.19 |
| 3748572.04 | 4.50420    | (15021709) |            |           |
| 438693.49  | 3748548.80 | 4.20573    | (15021709) | 438676.77 |
| 3748525.00 | 4.00227    | (12012315) |            |           |
| 438655.80  | 3748497.80 | 3.84266    | (12012315) | 438639.08 |
| 3748475.69 | 3.69670    | (12012315) |            |           |
| 438619.53  | 3748452.46 | 3.51475    | (12012315) | 438600.26 |
| 3748429.79 | 3.32756    | (12012315) |            |           |
| 438580.71  | 3748404.57 | 3.11550    | (12012315) | 438561.44 |
| 3748384.17 | 2.93125    | (12012315) |            |           |
| 438540.75  | 3748363.76 | 2.74481    | (12012315) | 438520.92 |
| 3748341.09 | 2.54899    | (12012315) |            |           |
| 438499.95  | 3748320.41 | 2.48107    | (12121315) | 438735.66 |
| 3748992.65 | 3.26684    | (16120116) |            |           |
| 438675.26  | 3748985.08 | 2.90241    | (16120116) | 439331.05 |
| 3749107.64 | 9.51745    | (14021809) |            |           |
| 439341.93  | 3749117.09 | 9.28159    | (14021809) | 439353.60 |
| 3749127.33 | 8.97739    | (14021809) |            |           |
| 439366.09  | 3749137.37 | 8.65488    | (14021809) | 439375.72 |
| 3749143.92 | 8.42972    | (14021809) |            |           |
| 439388.41  | 3749153.54 | 8.07096    | (14021809) | 439400.49 |
| 3749162.14 | 7.73388    | (14021809) |            |           |
| 439413.60  | 3749169.92 | 7.40616    | (14021809) | 439425.68 |
| 3749178.11 | 7.06241    | (14021809) |            |           |
| 439449.64  | 3749192.86 | 6.68558    | (16010615) | 439473.05 |
| 3749214.38 | 6.52445    | (13112916) |            |           |
| 439800.83  | 3749040.52 | 18.23524   | (13112916) | 439873.79 |
| 3748887.43 | 22.43828   | (13112916) |            |           |
| 439887.64  | 3748802.52 | 22.16326   | (12121716) | 440077.78 |
| 3748740.21 | 13.78190   | (13121916) |            |           |
| 440019.17  | 3748682.06 | 14.73144   | (13121916) | 439929.64 |
| 3748601.76 | 18.39297   | (13121916) |            |           |

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
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VALUES FOR SOURCE GROUP: ALL      \*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION \*\*\*

INCLUDING SOURCE(S):      VOL1      , VOL2  
, VOL3      , VOL4      , VOL5      ,  
VOL6      , VOL7      , VOL8      , VOL9      , VOL10  
, VOL11      , VOL12      , VOL13      ,  
VOL14      , VOL15      , VOL16      , VOL17      , VOL18  
, VOL19      , VOL20      , VOL21      ,  
VOL22      , VOL23      , VOL24      , VOL25      , VOL26  
, VOL27      , VOL28      , . . .      ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF CO      IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC       | (YYMMDDHH) | X-COORD (M) |
|-------------|-------------|------------|------------|-------------|
| Y-COORD (M) | CONC        | (YYMMDDHH) |            |             |
| 439955.02   | 3748605.92  | 16.93686   | (13121916) | 439983.17   |
| 3748614.22  | 16.06839    | (13121916) |            |             |
| 440006.24   | 3748617.45  | 15.64739   | (13121916) | 440071.32   |
| 3748624.38  | 14.93776    | (13121916) |            |             |
| 440087.93   | 3748639.61  | 13.96041   | (13121916) | 440117.00   |
| 3748766.98  | 12.29976    | (13121916) |            |             |
| 439940.25   | 3748575.00  | 18.35190   | (13121916) | 439996.09   |
| 3748506.23  | 16.61657    | (13121916) |            |             |
| 440023.32   | 3748475.77  | 16.52897   | (12121716) | 440043.16   |
| 3748463.78  | 15.18119    | (12121716) |            |             |
| 440054.70   | 3748448.55  | 14.70527   | (12121716) | 440063.47   |
| 3748429.62  | 14.34241    | (12121716) |            |             |
| 440072.29   | 3748414.84  | 13.76927   | (12121716) | 440083.83   |
| 3748396.38  | 13.14628    | (12121716) |            |             |
| 440096.29   | 3748378.84  | 12.42062   | (12121716) | 440105.06   |
| 3748361.76  | 11.90696    | (12121716) |            |             |
| 440106.91   | 3748342.84  | 11.62396   | (12121716) | 440120.75   |
| 3748318.84  | 10.61024    | (12121716) |            |             |
| 440122.71   | 3748286.94  | 9.77959    | (12121716) | 440117.33   |
| 3748252.65  | 8.82041     | (12121716) |            |             |
| 440121.30   | 3748218.07  | 7.47556    | (12121716) | 440128.10   |
| 3748298.00  | 9.90033     | (12121716) |            |             |
| 440266.27   | 3748117.44  | 4.37775    | (12121716) | 440165.45   |
| 3747898.52  | 3.52266     | (14120316) |            |             |
| 440191.34   | 3747915.00  | 3.63384    | (14120316) | 440206.64   |
| 3747939.32  | 3.45471     | (14120316) |            |             |
| 440247.44   | 3747944.82  | 3.48492    | (14120316) | 440266.66   |
| 3747950.70  | 3.43820     | (14120316) |            |             |
| 440283.14   | 3747959.73  | 3.35111    | (14120316) | 440300.01   |



|            |            |            |                      |
|------------|------------|------------|----------------------|
| 3747969.14 | 3.20285    | (14120316) |                      |
| 440321.20  | 3747989.15 | 2.98740    | (14120316) 440293.34 |
| 3748093.90 | 3.90493    | (12121716) |                      |
| 440300.01  | 3748071.14 | 3.31078    | (12121716) 440307.86 |
| 3748048.39 | 2.88614    | (14120316) |                      |
| 440314.13  | 3748028.38 | 2.88661    | (14120316) 440320.02 |
| 3748006.80 | 2.87520    | (14120316) |                      |
| 440335.28  | 3747569.25 | 2.18873    | (14120316) 440507.19 |
| 3748971.21 | 3.56828    | (14111116) |                      |
| 439956.03  | 3749044.31 | 12.54593   | (13112916) 439952.87 |
| 3748770.03 | 16.44665   | (12121716) |                      |
| 438867.06  | 3748863.17 | 4.97934    | (13112716)           |

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S): VOL1 , VOL2  
 , VOL3 , VOL4 , VOL5 ,  
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10  
 , VOL11 , VOL12 , VOL13 ,  
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18  
 , VOL19 , VOL20 , VOL21 ,  
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26  
 , VOL27 , VOL28 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF CO IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC       | (YYMMDDHH) | X-COORD (M) |
|-------------|-------------|------------|------------|-------------|
| Y-COORD (M) | CONC        | (YYMMDDHH) |            |             |
| 439259.97   | 3749072.65  | 3.91999    | (16010616) | 439277.61   |
| 3749070.69  | 4.11097     | (16010616) |            |             |
| 439298.40   | 3749082.06  | 4.01374    | (16010616) | 439312.13   |
| 3749091.08  | 3.88628     | (16010616) |            |             |
| 439321.93   | 3749098.54  | 3.75877    | (16010616) | 439240.72   |
| 3749074.67  | 3.75959     | (16010516) |            |             |
| 439217.60   | 3749084.06  | 3.47761    | (16010516) | 439205.31   |
| 3749089.84  | 3.33034     | (16010516) |            |             |

|            |            |            |            |           |
|------------|------------|------------|------------|-----------|
| 439192.07  | 3749096.35 | 3.17902    | (16010516) | 439179.54 |
| 3749103.09 | 3.03952    | (16010516) |            |           |
| 439169.91  | 3749108.15 | 2.93968    | (16010516) | 439157.14 |
| 3749113.69 | 2.82426    | (16010516) |            |           |
| 439137.63  | 3749079.00 | 2.98224    | (14121216) | 439113.31 |
| 3749079.24 | 2.84921    | (14121216) |            |           |
| 439099.82  | 3749078.76 | 2.77978    | (14121216) | 439085.37 |
| 3749079.00 | 2.70066    | (14121216) |            |           |
| 439071.88  | 3749078.76 | 2.63426    | (14121216) | 439045.63 |
| 3749077.56 | 2.51780    | (14121216) |            |           |
| 438992.40  | 3749075.39 | 2.29950    | (14121216) | 438978.19 |
| 3749072.74 | 2.25657    | (14121216) |            |           |
| 438963.01  | 3749071.06 | 2.20723    | (14121216) | 438947.12 |
| 3749069.13 | 2.15778    | (14121216) |            |           |
| 438932.42  | 3749067.44 | 2.11306    | (14121216) | 438917.49 |
| 3749065.27 | 2.07035    | (14121216) |            |           |
| 438902.80  | 3749063.11 | 2.02832    | (14121216) | 438888.11 |
| 3749060.22 | 1.98769    | (14121216) |            |           |
| 438870.76  | 3749057.57 | 1.93761    | (14121216) | 438854.87 |
| 3749058.05 | 1.88438    | (14121216) |            |           |
| 438838.01  | 3749060.22 | 1.82550    | (14121216) | 438779.48 |
| 3749017.83 | 1.70905    | (14121216) |            |           |
| 438784.54  | 3749046.01 | 1.68450    | (14121216) | 438762.86 |
| 3749004.58 | 1.66094    | (14121216) |            |           |
| 438815.85  | 3749066.24 | 1.74264    | (14121216) | 439042.50 |
| 3748895.54 | 3.54668    | (14121216) |            |           |
| 439038.53  | 3748865.79 | 3.81625    | (14121216) | 438999.14 |
| 3748811.38 | 4.30634    | (14121216) |            |           |
| 438921.22  | 3748750.74 | 3.27586    | (15112716) | 438794.05 |
| 3748719.90 | 2.28830    | (15112716) |            |           |
| 438730.91  | 3748880.70 | 1.42954    | (14121216) | 438748.55 |
| 3748863.05 | 1.49677    | (14121216) |            |           |
| 438764.63  | 3748843.83 | 1.60934    | (15112716) | 438785.55 |
| 3748816.73 | 1.79064    | (15112716) |            |           |
| 438805.14  | 3748787.97 | 2.01863    | (15112716) | 438803.16 |
| 3748750.85 | 2.20384    | (15112716) |            |           |
| 438788.42  | 3748703.24 | 2.31380    | (15112716) | 438780.49 |
| 3748674.05 | 2.33014    | (15112716) |            |           |
| 438768.87  | 3748645.43 | 2.28106    | (15112716) | 438751.58 |
| 3748620.50 | 2.16205    | (15112716) |            |           |
| 438730.33  | 3748595.84 | 2.00670    | (15112716) | 438712.19 |
| 3748572.04 | 1.89724    | (14121616) |            |           |
| 438693.49  | 3748548.80 | 1.80334    | (14121616) | 438676.77 |
| 3748525.00 | 1.71584    | (14121616) |            |           |
| 438655.80  | 3748497.80 | 1.60604    | (14121616) | 438639.08 |
| 3748475.69 | 1.55916    | (16122916) |            |           |
| 438619.53  | 3748452.46 | 1.51321    | (16122916) | 438600.26 |
| 3748429.79 | 1.46409    | (16122916) |            |           |
| 438580.71  | 3748404.57 | 1.41004    | (16122916) | 438561.44 |
| 3748384.17 | 1.35539    | (16122916) |            |           |

|            |            |            |            |           |
|------------|------------|------------|------------|-----------|
| 438540.75  | 3748363.76 | 1.29743    | (16122916) | 438520.92 |
| 3748341.09 | 1.24211    | (16122916) |            |           |
| 438499.95  | 3748320.41 | 1.18455    | (16122916) | 438735.66 |
| 3748992.65 | 1.56615    | (14121216) |            |           |
| 438675.26  | 3748985.08 | 1.30958    | (14121216) | 439331.05 |
| 3749107.64 | 3.58842    | (16010616) |            |           |
| 439341.93  | 3749117.09 | 3.40886    | (16010616) | 439353.60 |
| 3749127.33 | 3.20668    | (16010616) |            |           |
| 439366.09  | 3749137.37 | 3.01040    | (16010616) | 439375.72 |
| 3749143.92 | 2.88153    | (16010616) |            |           |
| 439388.41  | 3749153.54 | 2.69527    | (16010616) | 439400.49 |
| 3749162.14 | 2.53536    | (16010616) |            |           |
| 439413.60  | 3749169.92 | 2.39410    | (16010616) | 439425.68 |
| 3749178.11 | 2.25958    | (16010616) |            |           |
| 439449.64  | 3749192.86 | 2.12093    | (13121916) | 439473.05 |
| 3749214.38 | 1.95626    | (13121916) |            |           |
| 439800.83  | 3749040.52 | 3.84074    | (13100916) | 439873.79 |
| 3748887.43 | 8.49302    | (14111116) |            |           |
| 439887.64  | 3748802.52 | 9.51735    | (14111116) | 440077.78 |
| 3748740.21 | 3.89126    | (15052216) |            |           |
| 440019.17  | 3748682.06 | 4.98511    | (12050116) | 439929.64 |
| 3748601.76 | 6.50307    | (14111116) |            |           |

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION  
 VALUES FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2  
 , VOL3 , VOL4 , VOL5 ,  
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10  
 , VOL11 , VOL12 , VOL13 ,  
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18  
 , VOL19 , VOL20 , VOL21 ,  
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26  
 , VOL27 , VOL28 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF CO IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC       | (YYMMDDHH) | X-COORD (M) |
|-------------|-------------|------------|------------|-------------|
| Y-COORD (M) | CONC        | (YYMMDDHH) |            |             |

-----

|            |            |            |            |           |
|------------|------------|------------|------------|-----------|
| 439955.02  | 3748605.92 | 5.59674    | (14111116) | 439983.17 |
| 3748614.22 | 5.12458    | (12050116) |            |           |
| 440006.24  | 3748617.45 | 4.84105    | (12050116) | 440071.32 |
| 3748624.38 | 4.21485    | (12050116) |            |           |
| 440087.93  | 3748639.61 | 4.12822    | (12050116) | 440117.00 |
| 3748766.98 | 3.27764    | (15052216) |            |           |
| 439940.25  | 3748575.00 | 6.13059    | (14111116) | 439996.09 |
| 3748506.23 | 5.29547    | (12042316) |            |           |
| 440023.32  | 3748475.77 | 4.86511    | (12042316) | 440043.16 |
| 3748463.78 | 4.38497    | (12042316) |            |           |
| 440054.70  | 3748448.55 | 4.10833    | (12042316) | 440063.47 |
| 3748429.62 | 3.84413    | (12042316) |            |           |
| 440072.29  | 3748414.84 | 3.58594    | (12042316) | 440083.83 |
| 3748396.38 | 3.28399    | (12042316) |            |           |
| 440096.29  | 3748378.84 | 2.98053    | (12042316) | 440105.06 |
| 3748361.76 | 2.75679    | (12113016) |            |           |
| 440106.91  | 3748342.84 | 2.65875    | (12113016) | 440120.75 |
| 3748318.84 | 2.40469    | (12113016) |            |           |
| 440122.71  | 3748286.94 | 2.19636    | (12113016) | 440117.33 |
| 3748252.65 | 1.98211    | (12113016) |            |           |
| 440121.30  | 3748218.07 | 1.70757    | (12113016) | 440128.10 |
| 3748298.00 | 2.23095    | (12113016) |            |           |
| 440266.27  | 3748117.44 | 1.09627    | (15092116) | 440165.45 |
| 3747898.52 | 0.85026    | (14120316) |            |           |
| 440191.34  | 3747915.00 | 0.87499    | (14120316) | 440206.64 |
| 3747939.32 | 0.86845    | (14120316) |            |           |
| 440247.44  | 3747944.82 | 0.86847    | (14120316) | 440266.66 |
| 3747950.70 | 0.86308    | (14120316) |            |           |
| 440283.14  | 3747959.73 | 0.85541    | (14120316) | 440300.01 |
| 3747969.14 | 0.83925    | (14120316) |            |           |
| 440321.20  | 3747989.15 | 0.82236    | (14120316) | 440293.34 |
| 3748093.90 | 1.01407    | (15092116) |            |           |
| 440300.01  | 3748071.14 | 0.93891    | (12112816) | 440307.86 |
| 3748048.39 | 0.89968    | (12112816) |            |           |
| 440314.13  | 3748028.38 | 0.86748    | (12112816) | 440320.02 |
| 3748006.80 | 0.83365    | (12112816) |            |           |
| 440335.28  | 3747569.25 | 0.49261    | (14120316) | 440507.19 |
| 3748971.21 | 1.40731    | (13112116) |            |           |
| 439956.03  | 3749044.31 | 2.80891    | (13100916) | 439952.87 |
| 3748770.03 | 6.24581    | (14111116) |            |           |
| 438867.06  | 3748863.17 | 2.49722    | (14121216) |           |

▲ \*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*      06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                                  \*\*\*      10:38:48

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\*\*\* MODELOPTs:      RegDFault    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\*\*\* THE SUMMARY OF HIGHEST 1-HR

RESULTS \*\*\*

\*\* CONC OF CO IN MICROGRAMS/M\*\*3

\*\*

| GROUP ID<br>(XR, YR, ZELEV, ZHILL, ZFLAG) | AVERAGE CONC<br>OF TYPE | NETWORK<br>GRID-ID | DATE<br>(YYMMDDHH) | RECEPTOR |
|-------------------------------------------|-------------------------|--------------------|--------------------|----------|
| -----                                     | -----                   | -----              | -----              | -----    |
| -----                                     | -----                   | -----              | -----              | -----    |

ALL HIGH 1ST HIGH VALUE IS 22.43828 ON 13112916: AT ( 439873.79,  
3748887.43, 156.27, 1142.09, 2.00) DC

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
GP = GRIDPOLR  
DC = DISCCART  
DP = DISCPOLR

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:38:48

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF HIGHEST 8-HR

RESULTS \*\*\*

\*\* CONC OF CO IN MICROGRAMS/M\*\*3

\*\*

| GROUP ID<br>(XR, YR, ZELEV, ZHILL, ZFLAG) | AVERAGE CONC<br>OF TYPE | NETWORK<br>GRID-ID | DATE<br>(YYMMDDHH) | RECEPTOR |
|-------------------------------------------|-------------------------|--------------------|--------------------|----------|
| -----                                     | -----                   | -----              | -----              | -----    |
| -----                                     | -----                   | -----              | -----              | -----    |

ALL HIGH 1ST HIGH VALUE IS 9.51735 ON 14111116: AT ( 439887.64,  
3748802.52, 161.93, 1142.09, 2.00) DC

\*\*\* RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR  
DC = DISCCART  
DP = DISCPOLR

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:38:48

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* Message Summary : AERMOD Model Execution \*\*\*

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)  
A Total of 2 Warning Message(s)  
A Total of 1638 Informational Message(s)  
  
A Total of 43848 Hours Were Processed  
  
A Total of 1039 Calm Hours Identified  
  
A Total of 599 Missing Hours Identified ( 1.37 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*  
\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
ME W186 1085 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used  
0.50  
ME W187 1085 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*  
\*\*\* AERMOD Finishes Successfully \*\*\*  
\*\*\*\*\*

\*\*

\*\*\*\*\*

\*\*

\*\* AERMOD Input Produced by:  
\*\* AERMOD View Ver. 12.0.0  
\*\* Lakes Environmental Software Inc.  
\*\* Date: 6/11/2024  
\*\* File: C:\Users\adadabhoy\Desktop\AERMOD\12630 Green River Ranch\12630 Ops  
NOX\12630 Ops NOX.ADI

\*\*

\*\*\*\*\*

\*\*

\*\*

\*\*\*\*\*

\*\* AERMOD Control Pathway

\*\*\*\*\*

\*\*

\*\*

CO STARTING

TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\12630 Green River Ranch\12630 0

MODELOPT DFAULT CONC

AVERTIME 1

URBANOPT 2189641 Riverside\_County

POLLUTID NOX

FLAGPOLE 2.00

RUNORNOT RUN

ERRORFIL "12630 Ops NOX.err"

CO FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Source Pathway

\*\*\*\*\*

\*\*

\*\*

SO STARTING

\*\* Source Location \*\*

\*\* Source ID - Type - X Coord. - Y Coord. \*\*

|                |        |            |             |         |
|----------------|--------|------------|-------------|---------|
| LOCATION VOL1  | VOLUME | 439309.748 | 3748858.376 | 161.250 |
| LOCATION VOL2  | VOLUME | 439374.128 | 3748922.763 | 156.930 |
| LOCATION VOL3  | VOLUME | 439455.801 | 3748932.328 | 154.240 |
| LOCATION VOL4  | VOLUME | 439463.159 | 3748879.351 | 157.760 |
| LOCATION VOL5  | VOLUME | 439391.051 | 3748849.183 | 160.760 |
| LOCATION VOL6  | VOLUME | 439538.210 | 3748941.894 | 153.630 |
| LOCATION VOL7  | VOLUME | 439791.324 | 3748855.070 | 157.420 |
| LOCATION VOL8  | VOLUME | 439711.122 | 3748854.334 | 157.470 |
| LOCATION VOL9  | VOLUME | 439633.128 | 3748853.598 | 157.760 |
| LOCATION VOL10 | VOLUME | 439551.455 | 3748852.127 | 158.730 |
| LOCATION VOL11 | VOLUME | 439793.532 | 3748775.604 | 163.250 |
| LOCATION VOL12 | VOLUME | 439712.594 | 3748774.868 | 161.370 |
| LOCATION VOL13 | VOLUME | 439632.392 | 3748774.132 | 162.310 |
| LOCATION VOL14 | VOLUME | 439552.190 | 3748773.396 | 163.870 |
| LOCATION VOL15 | VOLUME | 439471.989 | 3748772.661 | 162.240 |
| LOCATION VOL16 | VOLUME | 439391.051 | 3748771.925 | 164.850 |
| LOCATION VOL17 | VOLUME | 439310.849 | 3748769.717 | 165.560 |
| LOCATION VOL18 | VOLUME | 439121.750 | 3748688.044 | 178.040 |
| LOCATION VOL19 | VOLUME | 439202.687 | 3748688.044 | 176.120 |
| LOCATION VOL20 | VOLUME | 439283.625 | 3748689.516 | 171.580 |
| LOCATION VOL21 | VOLUME | 439365.298 | 3748690.251 | 170.660 |
| LOCATION VOL22 | VOLUME | 439446.972 | 3748692.459 | 169.250 |
| LOCATION VOL23 | VOLUME | 439528.645 | 3748693.930 | 171.250 |
| LOCATION VOL24 | VOLUME | 439610.318 | 3748694.666 | 167.770 |

|                |        |            |             |         |
|----------------|--------|------------|-------------|---------|
| LOCATION VOL25 | VOLUME | 439691.992 | 3748693.195 | 166.370 |
| LOCATION VOL26 | VOLUME | 439772.929 | 3748693.195 | 175.080 |
| LOCATION VOL27 | VOLUME | 439822.963 | 3748612.993 | 188.660 |
| LOCATION VOL28 | VOLUME | 439743.497 | 3748613.729 | 173.330 |
| LOCATION VOL29 | VOLUME | 439662.560 | 3748612.993 | 177.500 |
| LOCATION VOL30 | VOLUME | 439583.094 | 3748613.729 | 177.610 |
| LOCATION VOL31 | VOLUME | 439502.156 | 3748613.729 | 180.210 |
| LOCATION VOL32 | VOLUME | 439421.219 | 3748612.993 | 175.050 |
| LOCATION VOL33 | VOLUME | 439341.753 | 3748613.729 | 180.220 |
| LOCATION VOL34 | VOLUME | 439260.815 | 3748613.729 | 185.530 |
| LOCATION VOL35 | VOLUME | 439180.613 | 3748611.521 | 196.860 |
| LOCATION VOL36 | VOLUME | 439132.787 | 3748609.314 | 188.370 |
| LOCATION VOL37 | VOLUME | 439132.051 | 3748527.640 | 198.180 |
| LOCATION VOL38 | VOLUME | 439212.988 | 3748528.376 | 207.120 |
| LOCATION VOL39 | VOLUME | 439291.719 | 3748530.584 | 210.020 |
| LOCATION VOL40 | VOLUME | 439372.656 | 3748531.319 | 192.510 |
| LOCATION VOL41 | VOLUME | 439453.594 | 3748530.584 | 191.060 |
| LOCATION VOL42 | VOLUME | 439535.267 | 3748532.791 | 202.180 |
| LOCATION VOL43 | VOLUME | 439616.205 | 3748533.527 | 177.120 |
| LOCATION VOL44 | VOLUME | 439697.142 | 3748532.791 | 199.900 |
| LOCATION VOL45 | VOLUME | 439778.080 | 3748534.998 | 179.030 |
| LOCATION VOL46 | VOLUME | 439821.492 | 3748532.055 | 188.360 |
| LOCATION VOL48 | VOLUME | 439213.724 | 3748448.174 | 212.290 |
| LOCATION VOL49 | VOLUME | 439293.926 | 3748449.646 | 227.840 |
| LOCATION VOL50 | VOLUME | 439373.392 | 3748451.118 | 194.220 |
| LOCATION VOL51 | VOLUME | 439452.858 | 3748449.646 | 203.050 |
| LOCATION VOL52 | VOLUME | 439534.531 | 3748451.118 | 218.960 |
| LOCATION VOL53 | VOLUME | 439614.733 | 3748453.325 | 186.120 |
| LOCATION VOL54 | VOLUME | 439696.407 | 3748454.797 | 204.900 |
| LOCATION VOL55 | VOLUME | 439780.287 | 3748453.325 | 199.550 |
| LOCATION VOL58 | VOLUME | 439290.247 | 3748369.444 | 229.260 |
| LOCATION VOL59 | VOLUME | 439370.449 | 3748369.444 | 199.150 |
| LOCATION VOL60 | VOLUME | 439451.386 | 3748370.916 | 231.160 |
| LOCATION VOL61 | VOLUME | 439533.796 | 3748370.916 | 220.080 |
| LOCATION VOL62 | VOLUME | 439613.997 | 3748373.123 | 193.690 |
| LOCATION VOL63 | VOLUME | 439693.463 | 3748374.595 | 208.120 |

\*\* Source Parameters \*\*

|                |              |       |        |       |
|----------------|--------------|-------|--------|-------|
| SRCPARAM VOL1  | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL2  | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL3  | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL4  | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL5  | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL6  | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL7  | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL8  | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL9  | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL10 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL11 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL12 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL13 | 0.0045938827 | 5.000 | 18.651 | 1.400 |



|                |              |       |        |       |
|----------------|--------------|-------|--------|-------|
| SRCPARAM VOL14 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL15 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL16 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL17 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL18 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL19 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL20 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL21 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL22 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL23 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL24 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL25 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL26 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL27 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL28 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL29 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL30 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL31 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL32 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL33 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL34 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL35 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL36 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL37 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL38 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL39 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL40 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL41 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL42 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL43 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL44 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL45 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL46 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL48 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL49 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL50 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL51 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL52 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL53 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL54 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL55 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL58 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL59 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL60 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL61 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL62 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL63 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| URBANSRC ALL   |              |       |        |       |

\*\* Variable Emissions Type: "By Hour / Day (HRDOW)"

```

** Variable Emission Scenario: "Scenario 1"
** WeekDays:
 EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL1 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
 EMISFACT VOL1 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
 EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
 EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
 EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
 EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL2 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
 EMISFACT VOL2 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
 EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
 EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
 EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
 EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL3 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
 EMISFACT VOL3 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
 EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
 EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
 EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
 EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL4 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
 EMISFACT VOL4 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0

```

|    |                            |  |       |     |     |     |     |     |     |
|----|----------------------------|--|-------|-----|-----|-----|-----|-----|-----|
| ** | EMISFACT VOL4<br>Saturday: |  | 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 |
|    | 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 |
| ** 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: |       |  |       |     |     |     |     |     |     |
|    | 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 |

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|    |           |       |       |     |     |     |     |     |     |
|----|-----------|-------|-------|-----|-----|-----|-----|-----|-----|
| ** | EMISFACT  | VOL17 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | Sunday:   |       |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL17 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL17 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL17 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL17 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays: |       |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL18 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL18 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT  | VOL18 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL18 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday: |       |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL18 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL18 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL18 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL18 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:   |       |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL18 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL18 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL18 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL18 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays: |       |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL19 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL19 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT  | VOL19 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL19 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday: |       |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL19 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL19 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL19 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL19 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:   |       |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL19 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL19 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL19 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL19 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays: |       |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL20 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL20 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT  | VOL20 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL20 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday: |       |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL20 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL20 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL20 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL20 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:   |       |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL20 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL20 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL20 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

|    |           |       |       |     |     |     |     |     |     |
|----|-----------|-------|-------|-----|-----|-----|-----|-----|-----|
| ** | EMISFACT  | VOL20 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | WeekDays: |       |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL21 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL21 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT  | VOL21 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL21 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday: |       |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL21 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL21 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL21 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL21 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:   |       |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL21 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL21 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL21 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL21 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | 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 |



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|    |           |       |  |       |     |     |     |     |     |     |
|----|-----------|-------|--|-------|-----|-----|-----|-----|-----|-----|
| ** | EMISFACT  | VOL27 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | Sunday:   |       |  |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL27 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL27 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL27 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL27 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays: |       |  |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL28 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL28 |  | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT  | VOL28 |  | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL28 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday: |       |  |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL28 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL28 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL28 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL28 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:   |       |  |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL28 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL28 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL28 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL28 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays: |       |  |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL29 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL29 |  | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT  | VOL29 |  | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL29 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday: |       |  |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL29 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL29 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL29 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL29 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:   |       |  |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL29 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL29 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL29 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL29 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays: |       |  |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL30 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL30 |  | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT  | VOL30 |  | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL30 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday: |       |  |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL30 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL30 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL30 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL30 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:   |       |  |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL30 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL30 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL30 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

|    |                |  |       |     |     |     |     |     |     |
|----|----------------|--|-------|-----|-----|-----|-----|-----|-----|
| ** | EMISFACT VOL30 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | WeekDays:      |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL31 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL31 |  | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT VOL31 |  | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
|    | EMISFACT VOL31 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday:      |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL31 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL31 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL31 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL31 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:        |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL31 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL31 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL31 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL31 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays:      |  |       |     |     |     |     |     |     |
|    | EMISFACT 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 |

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|    |                |  |       |     |     |     |     |     |     |
|----|----------------|--|-------|-----|-----|-----|-----|-----|-----|
| ** | EMISFACT VOL37 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | Sunday:        |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL37 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL37 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL37 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL37 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays :     |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL38 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL38 |  | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT VOL38 |  | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
|    | EMISFACT VOL38 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday:      |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL38 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL38 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL38 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL38 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:        |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL38 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL38 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL38 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL38 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays :     |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL39 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL39 |  | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT VOL39 |  | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
|    | EMISFACT VOL39 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday:      |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL39 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL39 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL39 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL39 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:        |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL39 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL39 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL39 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL39 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays :     |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL40 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL40 |  | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT VOL40 |  | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
|    | EMISFACT VOL40 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday:      |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL40 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL40 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL40 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL40 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:        |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL40 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL40 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL40 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

|    |                |  |       |     |     |     |     |     |     |
|----|----------------|--|-------|-----|-----|-----|-----|-----|-----|
| ** | EMISFACT VOL40 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | WeekDays:      |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL41 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL41 |  | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT VOL41 |  | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
|    | EMISFACT VOL41 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday:      |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL41 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL41 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL41 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL41 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:        |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL41 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL41 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL41 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL41 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays:      |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL42 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL42 |  | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT VOL42 |  | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
|    | EMISFACT VOL42 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday:      |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL42 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL42 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL42 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL42 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:        |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL42 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL42 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL42 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL42 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays:      |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL43 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL43 |  | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT VOL43 |  | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
|    | EMISFACT VOL43 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday:      |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL43 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL43 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL43 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL43 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:        |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL43 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL43 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL43 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL43 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays:      |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL44 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL44 |  | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT VOL44 |  | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |

[illegible]

|    |           |       |  |       |     |     |     |     |     |     |
|----|-----------|-------|--|-------|-----|-----|-----|-----|-----|-----|
| ** | EMISFACT  | VOL48 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | Sunday:   |       |  |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL48 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL48 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL48 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL48 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays: |       |  |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL49 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL49 |  | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT  | VOL49 |  | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL49 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday: |       |  |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL49 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL49 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL49 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL49 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:   |       |  |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL49 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL49 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL49 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL49 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays: |       |  |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL50 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL50 |  | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT  | VOL50 |  | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL50 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday: |       |  |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL50 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL50 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL50 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL50 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:   |       |  |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL50 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL50 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL50 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL50 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays: |       |  |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL51 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL51 |  | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT  | VOL51 |  | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL51 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday: |       |  |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL51 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL51 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL51 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL51 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:   |       |  |       |     |     |     |     |     |     |
|    | EMISFACT  | VOL51 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL51 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL51 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



|    |                |  |       |     |     |     |     |     |     |
|----|----------------|--|-------|-----|-----|-----|-----|-----|-----|
| ** | EMISFACT VOL51 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | WeekDays:      |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL52 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL52 |  | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT VOL52 |  | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
|    | EMISFACT VOL52 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday:      |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL52 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL52 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL52 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL52 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:        |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL52 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL52 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL52 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL52 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays:      |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL53 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL53 |  | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT VOL53 |  | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
|    | EMISFACT VOL53 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday:      |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL53 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL53 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL53 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL53 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:        |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL53 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL53 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL53 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL53 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays:      |  |       |     |     |     |     |     |     |
|    | EMISFACT VOL54 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT VOL54 |  | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT VOL54 |  | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
|    | EMISFACT VOL54 |  | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday:      |  |       |     |     |     |     |     |     |
|    | 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 |

[illegible]

|    |            |                |       |     |     |     |     |     |     |
|----|------------|----------------|-------|-----|-----|-----|-----|-----|-----|
| ** |            | 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 : |                |       |     |     |     |     |     |     |
|    |            | EMISFACT VOL61 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    |            | EMISFACT VOL61 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|    |            | EMISFACT VOL61 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
|    |            | EMISFACT VOL61 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday:  |                |       |     |     |     |     |     |     |
|    |            | EMISFACT VOL61 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    |            | EMISFACT VOL61 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    |            | EMISFACT VOL61 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    |            | EMISFACT VOL61 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:    |                |       |     |     |     |     |     |     |
|    |            | EMISFACT VOL61 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    |            | EMISFACT VOL61 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    |            | EMISFACT VOL61 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    |            | EMISFACT VOL61 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays : |                |       |     |     |     |     |     |     |
|    |            | 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
 SRCGROUP ALL
SO FINISHED
**

** AERMOD Receptor Pathway

**
**
RE STARTING
 INCLUDED "12630 Ops NOX.rou"
RE FINISHED
**

** AERMOD Meteorology Pathway

**
**
ME STARTING
 SURFFILE KRAL_V9_ADJU\KRAL_v9.SFC
 PROFFILE KRAL_V9_ADJU\KRAL_v9.PFL
 SURFDATA 3171 2012
 UAIRDATA 3190 2012
 PROFBASE 245.0 METERS
ME FINISHED
**

** AERMOD Output Pathway

**
**
OU STARTING
 RECTABLE ALLAVE 1ST
 RECTABLE 1 1ST
** Auto-Generated Plotfiles
 PLOTFILE 1 ALL 1ST "12630 OPS NOX.AD\01H1GALL.PLT" 31
 SUMMFILE "12630 Ops NOX.sum"
OU FINISHED
**

** Project Parameters

** PROJCTN CoordinateSystemUTM
** DESCPTN UTM: Universal Transverse Mercator
** DATUM North American Datum 1983
** DTMRGN CONUS
** UNITS m
** ZONE 11
** ZONEINX 0
**

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**

**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 6/11/2024
** File: C:\Users\adadabhoy\Desktop\AERMOD\12630 Green River Ranch\12630 Ops
NOX\12630 Ops NOX.ADI
**

**
**

** AERMOD Control Pathway

**
**
CO STARTING
 TITLEONE C:\Users\Michael Tirohn\Desktop\HRAS\12630 Green River Ranch\12630 O
 MODELOPT DFAULT CONC
 AVERTIME 1
 URBANOPT 2189641 Riverside_County
 POLLUTID NOX
 FLAGPOLE 2.00
 RUNORNOT RUN
 ERRORFIL "12630 Ops NOX.err"
CO FINISHED
**

** AERMOD Source Pathway

**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION VOL1 VOLUME 439309.748 3748858.376 161.250
LOCATION VOL2 VOLUME 439374.128 3748922.763 156.930
LOCATION VOL3 VOLUME 439455.801 3748932.328 154.240
LOCATION VOL4 VOLUME 439463.159 3748879.351 157.760
LOCATION VOL5 VOLUME 439391.051 3748849.183 160.760
LOCATION VOL6 VOLUME 439538.210 3748941.894 153.630
LOCATION VOL7 VOLUME 439791.324 3748855.070 157.420
LOCATION VOL8 VOLUME 439711.122 3748854.334 157.470
LOCATION VOL9 VOLUME 439633.128 3748853.598 157.760
LOCATION VOL10 VOLUME 439551.455 3748852.127 158.730
LOCATION VOL11 VOLUME 439793.532 3748775.604 163.250
LOCATION VOL12 VOLUME 439712.594 3748774.868 161.370
LOCATION VOL13 VOLUME 439632.392 3748774.132 162.310

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|                |        |            |             |         |
|----------------|--------|------------|-------------|---------|
| LOCATION VOL14 | VOLUME | 439552.190 | 3748773.396 | 163.870 |
| LOCATION VOL15 | VOLUME | 439471.989 | 3748772.661 | 162.240 |
| LOCATION VOL16 | VOLUME | 439391.051 | 3748771.925 | 164.850 |
| LOCATION VOL17 | VOLUME | 439310.849 | 3748769.717 | 165.560 |
| LOCATION VOL18 | VOLUME | 439121.750 | 3748688.044 | 178.040 |
| LOCATION VOL19 | VOLUME | 439202.687 | 3748688.044 | 176.120 |
| LOCATION VOL20 | VOLUME | 439283.625 | 3748689.516 | 171.580 |
| LOCATION VOL21 | VOLUME | 439365.298 | 3748690.251 | 170.660 |
| LOCATION VOL22 | VOLUME | 439446.972 | 3748692.459 | 169.250 |
| LOCATION VOL23 | VOLUME | 439528.645 | 3748693.930 | 171.250 |
| LOCATION VOL24 | VOLUME | 439610.318 | 3748694.666 | 167.770 |
| LOCATION VOL25 | VOLUME | 439691.992 | 3748693.195 | 166.370 |
| LOCATION VOL26 | VOLUME | 439772.929 | 3748693.195 | 175.080 |
| LOCATION VOL27 | VOLUME | 439822.963 | 3748612.993 | 188.660 |
| LOCATION VOL28 | VOLUME | 439743.497 | 3748613.729 | 173.330 |
| LOCATION VOL29 | VOLUME | 439662.560 | 3748612.993 | 177.500 |
| LOCATION VOL30 | VOLUME | 439583.094 | 3748613.729 | 177.610 |
| LOCATION VOL31 | VOLUME | 439502.156 | 3748613.729 | 180.210 |
| LOCATION VOL32 | VOLUME | 439421.219 | 3748612.993 | 175.050 |
| LOCATION VOL33 | VOLUME | 439341.753 | 3748613.729 | 180.220 |
| LOCATION VOL34 | VOLUME | 439260.815 | 3748613.729 | 185.530 |
| LOCATION VOL35 | VOLUME | 439180.613 | 3748611.521 | 196.860 |
| LOCATION VOL36 | VOLUME | 439132.787 | 3748609.314 | 188.370 |
| LOCATION VOL37 | VOLUME | 439132.051 | 3748527.640 | 198.180 |
| LOCATION VOL38 | VOLUME | 439212.988 | 3748528.376 | 207.120 |
| LOCATION VOL39 | VOLUME | 439291.719 | 3748530.584 | 210.020 |
| LOCATION VOL40 | VOLUME | 439372.656 | 3748531.319 | 192.510 |
| LOCATION VOL41 | VOLUME | 439453.594 | 3748530.584 | 191.060 |
| LOCATION VOL42 | VOLUME | 439535.267 | 3748532.791 | 202.180 |
| LOCATION VOL43 | VOLUME | 439616.205 | 3748533.527 | 177.120 |
| LOCATION VOL44 | VOLUME | 439697.142 | 3748532.791 | 199.900 |
| LOCATION VOL45 | VOLUME | 439778.080 | 3748534.998 | 179.030 |
| LOCATION VOL46 | VOLUME | 439821.492 | 3748532.055 | 188.360 |
| LOCATION VOL48 | VOLUME | 439213.724 | 3748448.174 | 212.290 |
| LOCATION VOL49 | VOLUME | 439293.926 | 3748449.646 | 227.840 |
| LOCATION VOL50 | VOLUME | 439373.392 | 3748451.118 | 194.220 |
| LOCATION VOL51 | VOLUME | 439452.858 | 3748449.646 | 203.050 |
| LOCATION VOL52 | VOLUME | 439534.531 | 3748451.118 | 218.960 |
| LOCATION VOL53 | VOLUME | 439614.733 | 3748453.325 | 186.120 |
| LOCATION VOL54 | VOLUME | 439696.407 | 3748454.797 | 204.900 |
| LOCATION VOL55 | VOLUME | 439780.287 | 3748453.325 | 199.550 |
| LOCATION VOL58 | VOLUME | 439290.247 | 3748369.444 | 229.260 |
| LOCATION VOL59 | VOLUME | 439370.449 | 3748369.444 | 199.150 |
| LOCATION VOL60 | VOLUME | 439451.386 | 3748370.916 | 231.160 |
| LOCATION VOL61 | VOLUME | 439533.796 | 3748370.916 | 220.080 |
| LOCATION VOL62 | VOLUME | 439613.997 | 3748373.123 | 193.690 |
| LOCATION VOL63 | VOLUME | 439693.463 | 3748374.595 | 208.120 |

\*\* Source Parameters \*\*

|               |              |       |        |       |
|---------------|--------------|-------|--------|-------|
| SRCPARAM VOL1 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL2 | 0.0045938827 | 5.000 | 18.651 | 1.400 |

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|                |              |       |        |       |
|----------------|--------------|-------|--------|-------|
| SRCPARAM VOL54 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL55 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL58 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL59 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL60 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL61 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL62 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL63 | 0.0045938827 | 5.000 | 18.651 | 1.400 |
| URBANSRC ALL   |              |       |        |       |

\*\* Variable Emissions Type: "By Hour / Day (HRDOW)"

\*\* Variable Emission Scenario: "Scenario 1"

\*\* WeekDays:

|               |       |     |     |     |     |     |     |
|---------------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT VOL1 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* Saturday:

|               |       |     |     |     |     |     |     |
|---------------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* Sunday:

|               |       |     |     |     |     |     |     |
|---------------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* WeekDays:

|               |       |     |     |     |     |     |     |
|---------------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT VOL2 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* Saturday:

|               |       |     |     |     |     |     |     |
|---------------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* Sunday:

|               |       |     |     |     |     |     |     |
|---------------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* WeekDays:

|               |       |     |     |     |     |     |     |
|---------------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT VOL3 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL3 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT VOL3 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT VOL3 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* Saturday:

|               |       |     |     |     |     |     |     |
|---------------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT VOL3 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL3 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



|               |                               |
|---------------|-------------------------------|
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:    |                               |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:  |                               |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL4 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:  |                               |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:    |                               |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT 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 |
| ** 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 |

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|                |                               |
|----------------|-------------------------------|
| EMISFACT VOL13 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL13 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** 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 |

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|                |                               |
|----------------|-------------------------------|
| EMISFACT VOL23 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL23 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:     |                               |
| EMISFACT VOL23 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL23 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL23 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL23 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:   |                               |
| EMISFACT VOL24 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL24 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL24 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL24 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:   |                               |
| EMISFACT VOL24 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL24 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL24 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL24 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:     |                               |
| EMISFACT VOL24 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL24 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL24 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL24 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:   |                               |
| EMISFACT VOL25 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL25 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL25 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL25 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:   |                               |
| EMISFACT VOL25 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL25 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL25 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL25 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:     |                               |
| EMISFACT VOL25 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL25 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL25 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL25 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:   |                               |
| EMISFACT VOL26 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL26 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL26 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL26 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:   |                               |
| EMISFACT VOL26 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL26 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL26 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL26 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:     |                               |
| EMISFACT VOL26 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL26 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |

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|                |                               |
|----------------|-------------------------------|
| 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 |
| 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 |

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|                |                               |
|----------------|-------------------------------|
| EMISFACT VOL54 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL54 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** 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 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 |



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 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
 SRCGROUP ALL
SO FINISHED
**

** AERMOD Receptor Pathway

**
**
RE STARTING
 INCLUDED "12630 Ops NOX.rou"
RE FINISHED
**

** AERMOD Meteorology Pathway

**
**
ME STARTING
 SURFFILE KRAL_V9_ADJU\KRAL_v9.SFC
 PROFFILE KRAL_V9_ADJU\KRAL_v9.PFL
 SURFDATA 3171 2012
 UAIRDATA 3190 2012
 PROFBASE 245.0 METERS
ME FINISHED
**

** AERMOD Output Pathway

**
**
OU STARTING
 RECTABLE ALLAVE 1ST
 RECTABLE 1 1ST
** Auto-Generated Plotfiles
 PLOTFILE 1 ALL 1ST "12630 OPS NOX.AD\01H1GALL.PLT" 31
 SUMMFILE "12630 Ops NOX.sum"
OU FINISHED

```

\*\*\* Message Summary For AERMOD Model Setup \*\*\*

----- Summary of Total Messages -----

A Total of                    0 Fatal Error Message(s)  
A Total of                    2 Warning Message(s)  
A Total of                    0 Informational Message(s)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*  
          \*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
ME W186      1085            MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used  
          0.50  
ME W187      1085            MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*  
\*\*\* SETUP Finishes Successfully \*\*\*  
\*\*\*\*\*

▲ \*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\*            06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                                 \*\*\*      10:43:02

                                 PAGE    1  
\*\*\* MODELOPTs:    RegDEFAULT   CONC   ELEV   FLGPOL   URBAN   ADJ\_U\*

\*\*\*                    MODEL SETUP OPTIONS SUMMARY

\*\*\*

- - - - -  
- - - - -

\*\* Model Options Selected:

- \* Model Uses Regulatory DEFAULT Options
- \* Model Is Setup For Calculation of Average CONCentration Values.
- \* NO GAS DEPOSITION Data Provided.
- \* NO PARTICLE DEPOSITION Data Provided.
- \* Model Uses NO DRY DEPLETION. DDPLETE = F
- \* Model Uses NO WET DEPLETION. WETDPLT = F
- \* Stack-tip Downwash.
- \* Model Accounts for ELEVated Terrain Effects.
- \* Use Calms Processing Routine.
- \* Use Missing Data Processing Routine.
- \* No Exponential Decay.
- \* Model Uses URBAN Dispersion Algorithm for the SBL for      60 Source(s),

for Total of 1 Urban Area(s):  
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m  
\* Urban Roughness Length of 1.0 Meter Used.  
\* ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET  
\* CCVR\_Sub - Meteorological data includes CCVR substitutions  
\* TEMP\_Sub - Meteorological data includes TEMP substitutions  
\* Model Accepts FLAGPOLE Receptor . Heights.  
\* The User Specified a Pollutant Type of: NOX

\*\*Model Calculates 1 Short Term Average(s) of: 1-HR

\*\*This Run Includes: 60 Source(s); 1 Source Group(s); and 121  
Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 60 VOLUME source(s)  
and: 0 AREA type source(s)  
and: 0 LINE source(s)  
and: 0 RLINE/RLINEXT source(s)  
and: 0 OPENPIT source(s)  
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)  
and: 0 SWPOINT source(s)

\*\*Model Set To Continue RUNning After the Setup Testing.

\*\*The AERMET Input Meteorological Data Version Date: 16216

\*\*Output Options Selected:  
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE  
Keyword)  
Model Outputs External File(s) of High Values for Plotting (PLOTFILE  
Keyword)  
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE  
Keyword)

\*\*NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours  
m for Missing  
Hours  
b for Both Calm  
and Missing Hours

\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 245.00 ; Decay  
Coef. = 0.000 ; Rot. Angle = 0.0  
Emission Units = GRAMS/SEC ;  
Emission Rate Unit Factor = 0.10000E+07  
Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 3.6 MB of RAM.

\*\*Input Runstream File: aermod.inp

\*\*Output Print File: aermod.out

\*\*Detailed Error/Message File: 12630 Ops NOX.err

\*\*File for Summary of Results: 12630 Ops NOX.sum

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:43:02

PAGE 2

\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

| INIT.    | URBAN  | NUMBER   | EMISSION | RATE     |          | BASE     | RELEASE  | INIT.    |
|----------|--------|----------|----------|----------|----------|----------|----------|----------|
| SOURCE   |        | EMISSION | RATE     | AIRCRAFT |          | ELEV.    | HEIGHT   | SY       |
| SZ       | SOURCE | SCALAR   | VARY     | X        | Y        | (METERS) | (METERS) | (METERS) |
| ID       |        | CATS.    |          | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |
| (METERS) |        | BY       |          |          |          |          |          |          |

-----

|       |     |       |             |          |           |       |      |       |
|-------|-----|-------|-------------|----------|-----------|-------|------|-------|
| VOL1  |     | 0     | 0.45939E-02 | 439309.7 | 3748858.4 | 161.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL2  |     | 0     | 0.45939E-02 | 439374.1 | 3748922.8 | 156.9 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL3  |     | 0     | 0.45939E-02 | 439455.8 | 3748932.3 | 154.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL4  |     | 0     | 0.45939E-02 | 439463.2 | 3748879.4 | 157.8 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL5  |     | 0     | 0.45939E-02 | 439391.1 | 3748849.2 | 160.8 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL6  |     | 0     | 0.45939E-02 | 439538.2 | 3748941.9 | 153.6 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL7  |     | 0     | 0.45939E-02 | 439791.3 | 3748855.1 | 157.4 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL8  |     | 0     | 0.45939E-02 | 439711.1 | 3748854.3 | 157.5 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL9  |     | 0     | 0.45939E-02 | 439633.1 | 3748853.6 | 157.8 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL10 |     | 0     | 0.45939E-02 | 439551.5 | 3748852.1 | 158.7 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |

|       |     |       |             |          |           |       |      |       |
|-------|-----|-------|-------------|----------|-----------|-------|------|-------|
| VOL11 |     | 0     | 0.45939E-02 | 439793.5 | 3748775.6 | 163.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL12 |     | 0     | 0.45939E-02 | 439712.6 | 3748774.9 | 161.4 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL13 |     | 0     | 0.45939E-02 | 439632.4 | 3748774.1 | 162.3 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL14 |     | 0     | 0.45939E-02 | 439552.2 | 3748773.4 | 163.9 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL15 |     | 0     | 0.45939E-02 | 439472.0 | 3748772.7 | 162.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL16 |     | 0     | 0.45939E-02 | 439391.1 | 3748771.9 | 164.9 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL17 |     | 0     | 0.45939E-02 | 439310.8 | 3748769.7 | 165.6 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL18 |     | 0     | 0.45939E-02 | 439121.8 | 3748688.0 | 178.0 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL19 |     | 0     | 0.45939E-02 | 439202.7 | 3748688.0 | 176.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL20 |     | 0     | 0.45939E-02 | 439283.6 | 3748689.5 | 171.6 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL21 |     | 0     | 0.45939E-02 | 439365.3 | 3748690.3 | 170.7 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL22 |     | 0     | 0.45939E-02 | 439447.0 | 3748692.5 | 169.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL23 |     | 0     | 0.45939E-02 | 439528.6 | 3748693.9 | 171.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL24 |     | 0     | 0.45939E-02 | 439610.3 | 3748694.7 | 167.8 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL25 |     | 0     | 0.45939E-02 | 439692.0 | 3748693.2 | 166.4 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL26 |     | 0     | 0.45939E-02 | 439772.9 | 3748693.2 | 175.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL27 |     | 0     | 0.45939E-02 | 439823.0 | 3748613.0 | 188.7 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL28 |     | 0     | 0.45939E-02 | 439743.5 | 3748613.7 | 173.3 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL29 |     | 0     | 0.45939E-02 | 439662.6 | 3748613.0 | 177.5 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL30 |     | 0     | 0.45939E-02 | 439583.1 | 3748613.7 | 177.6 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL31 |     | 0     | 0.45939E-02 | 439502.2 | 3748613.7 | 180.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL32 |     | 0     | 0.45939E-02 | 439421.2 | 3748613.0 | 175.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL33 |     | 0     | 0.45939E-02 | 439341.8 | 3748613.7 | 180.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL34 |     | 0     | 0.45939E-02 | 439260.8 | 3748613.7 | 185.5 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL35 |     | 0     | 0.45939E-02 | 439180.6 | 3748611.5 | 196.9 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |

|       |     |       |             |          |           |       |      |       |
|-------|-----|-------|-------------|----------|-----------|-------|------|-------|
| VOL36 |     | 0     | 0.45939E-02 | 439132.8 | 3748609.3 | 188.4 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL37 |     | 0     | 0.45939E-02 | 439132.1 | 3748527.6 | 198.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL38 |     | 0     | 0.45939E-02 | 439213.0 | 3748528.4 | 207.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL39 |     | 0     | 0.45939E-02 | 439291.7 | 3748530.6 | 210.0 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL40 |     | 0     | 0.45939E-02 | 439372.7 | 3748531.3 | 192.5 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

| INIT.    | URBAN  | NUMBER   | EMISSION | RATE     |          | BASE     | RELEASE  | INIT.    |
|----------|--------|----------|----------|----------|----------|----------|----------|----------|
| SOURCE   |        | EMISSION | RATE     | AIRCRAFT |          | ELEV.    | HEIGHT   | SY       |
| SZ       | SOURCE | SCALAR   | VARY     |          |          | (METERS) | (METERS) | (METERS) |
| ID       |        | CATS.    |          | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |
| (METERS) |        | BY       |          |          |          |          |          |          |

|       |     |       |             |          |           |       |      |       |
|-------|-----|-------|-------------|----------|-----------|-------|------|-------|
| VOL41 |     | 0     | 0.45939E-02 | 439453.6 | 3748530.6 | 191.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL42 |     | 0     | 0.45939E-02 | 439535.3 | 3748532.8 | 202.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL43 |     | 0     | 0.45939E-02 | 439616.2 | 3748533.5 | 177.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL44 |     | 0     | 0.45939E-02 | 439697.1 | 3748532.8 | 199.9 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL45 |     | 0     | 0.45939E-02 | 439778.1 | 3748535.0 | 179.0 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL46 |     | 0     | 0.45939E-02 | 439821.5 | 3748532.1 | 188.4 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL48 |     | 0     | 0.45939E-02 | 439213.7 | 3748448.2 | 212.3 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL49 |     | 0     | 0.45939E-02 | 439293.9 | 3748449.6 | 227.8 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL50 |     | 0     | 0.45939E-02 | 439373.4 | 3748451.1 | 194.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL51 |     | 0     | 0.45939E-02 | 439452.9 | 3748449.6 | 203.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |

|       |     |       |             |          |           |       |      |       |
|-------|-----|-------|-------------|----------|-----------|-------|------|-------|
| VOL52 |     | 0     | 0.45939E-02 | 439534.5 | 3748451.1 | 219.0 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL53 |     | 0     | 0.45939E-02 | 439614.7 | 3748453.3 | 186.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL54 |     | 0     | 0.45939E-02 | 439696.4 | 3748454.8 | 204.9 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL55 |     | 0     | 0.45939E-02 | 439780.3 | 3748453.3 | 199.6 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL58 |     | 0     | 0.45939E-02 | 439290.2 | 3748369.4 | 229.3 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL59 |     | 0     | 0.45939E-02 | 439370.4 | 3748369.4 | 199.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL60 |     | 0     | 0.45939E-02 | 439451.4 | 3748370.9 | 231.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL61 |     | 0     | 0.45939E-02 | 439533.8 | 3748370.9 | 220.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL62 |     | 0     | 0.45939E-02 | 439614.0 | 3748373.1 | 193.7 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL63 |     | 0     | 0.45939E-02 | 439693.5 | 3748374.6 | 208.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

| SRCGROUP ID | SOURCE IDs |         |         |         |         |   |
|-------------|------------|---------|---------|---------|---------|---|
| -----       | -----      |         |         |         |         |   |
| ALL         | VOL1       | , VOL2  | , VOL3  | , VOL4  | , VOL5  | , |
| VOL6        | , VOL7     | , VOL8  | ,       |         |         |   |
|             | VOL9       | , VOL10 | , VOL11 | , VOL12 | , VOL13 | , |
| VOL14       | , VOL15    | , VOL16 | ,       |         |         |   |
|             | VOL17      | , VOL18 | , VOL19 | , VOL20 | , VOL21 | , |
| VOL22       | , VOL23    | , VOL24 | ,       |         |         |   |
|             | VOL25      | , VOL26 | , VOL27 | , VOL28 | , VOL29 | , |
| VOL30       | , VOL31    | , VOL32 | ,       |         |         |   |
|             | VOL33      | , VOL34 | , VOL35 | , VOL36 | , VOL37 | , |
| VOL38       | , VOL39    | , VOL40 | ,       |         |         |   |



VOL46 VOL41 , VOL42 , VOL43 , VOL44 , VOL45 ,  
, VOL48 , VOL49 ,

VOL55 VOL50 , VOL51 , VOL52 , VOL53 , VOL54 ,  
, VOL58 , VOL59 ,

VOL60 , VOL61 , VOL62 , VOL63 ,  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES  
\*\*\*

| URBAN ID                                                                                                                                                        | URBAN POP               | SOURCE IDs                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------------------|
| -----                                                                                                                                                           | -----                   | -----                                          |
| VOL5<br>VOL8                                                                                                                                                    | 2189641.<br>, VOL6<br>, | VOL1 , VOL2 , VOL3 , VOL4 ,<br>, VOL7 ,        |
| VOL14                                                                                                                                                           | VOL9<br>, VOL15         | , VOL10 , VOL11 , VOL12 , VOL13 ,<br>, VOL16 , |
| VOL22                                                                                                                                                           | VOL17<br>, VOL23        | , VOL18 , VOL19 , VOL20 , VOL21 ,<br>, VOL24 , |
| VOL30                                                                                                                                                           | VOL25<br>, VOL31        | , VOL26 , VOL27 , VOL28 , VOL29 ,<br>, VOL32 , |
| VOL38                                                                                                                                                           | VOL33<br>, VOL39        | , VOL34 , VOL35 , VOL36 , VOL37 ,<br>, VOL40 , |
| VOL46                                                                                                                                                           | VOL41<br>, VOL48        | , VOL42 , VOL43 , VOL44 , VOL45 ,<br>, VOL49 , |
| VOL55                                                                                                                                                           | VOL50<br>, VOL58        | , VOL51 , VOL52 , VOL53 , VOL54 ,<br>, VOL59 , |
| VOL60 , VOL61 , VOL62 , VOL63 ,                                                                                                                                 |                         |                                                |
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

-----  
-----

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

-----  
-----

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 - - - - -

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01

14 .1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 | 9    | .1000E+01 | 10   | .1000E+01 |
| 11   | .1000E+01 | 12   | .1000E+01 | 13   | .1000E+01 | 14   | .1000E+01 | 15   | .1000E+01 |
| 16   | .1000E+01 | 17   | .0000E+00 | 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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 | 9    | .0000E+00 | 10   | .0000E+00 |
| 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 | 14   | .0000E+00 | 15   | .0000E+00 |
| 16   | .0000E+00 | 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 | 9    | .0000E+00 | 10   | .0000E+00 |
| 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 | 14   | .0000E+00 | 15   | .0000E+00 |
| 16   | .0000E+00 | 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 | 9    | .0000E+00 | 10   | .0000E+00 |
| 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 | 14   | .0000E+00 | 15   | .0000E+00 |
| 16   | .0000E+00 | 17   | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 |
| 21   | .0000E+00 | 22   | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 10:43:02

\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

```

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 Q *** 06/11/24

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\*\*\*  
10:43:02

\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ U\*

|        |           |      |        |                        |        |      |        |      |        |      |        |
|--------|-----------|------|--------|------------------------|--------|------|--------|------|--------|------|--------|
| SOURCE | ID = VOL7 |      |        | ; SOURCE TYPE = VOLUME | :      |      |        |      |        |      |        |
| HOUR   | SCALAR    | HOUR | SCALAR | HOUR                   | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
| HOUR   | SCALAR    | HOUR | SCALAR | HOUR                   | SCALAR |      |        |      |        |      |        |

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:43:02

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

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SOURCE ID = 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
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:43:02

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 - - - - -  
 - - - - -

DAY OF WEEK = WEEKDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
 14 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:43:02

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 - - - - -  
 - - - - -

DAY OF WEEK = WEEKDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01



14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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Green River Ranch\12630 0 \*\*\* 06/11/24  
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\*\*\* 10:43:02

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00

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 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) \*

```
SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
- - - - - DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
- - - - - DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:43:02
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```
SOURCE ID = 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

\*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24

\*\*\* AERMET - VERSION 16216 \*\*\*  
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10:43:02

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00

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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
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:43:02

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

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SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:43:02

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*



|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*      06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                                          \*\*\*      10:43:02

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\*\*\* MODELOPTs:      RegDFault    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL19                      ; SOURCE TYPE = VOLUME      :  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR  
 - - - - -  
 - - - - -

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:43:02

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR  
- - - - -  
DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00  
DAY OF WEEK = SATURDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00  
DAY OF WEEK = SUNDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:43:02

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR



HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* 10:43:02

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 10:43:02

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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- - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:43:02

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -

```

```

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24

\*\*\* AERMET - VERSION 16216 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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Green River Ranch\12630 0 \*\*\* 06/11/24

\*\*\* AERMET - VERSION 16216 \*\*\*  
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10:43:02

\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .1000E+01 | 10   | .1000E+01 | 11   | .1000E+01 | 12   | .1000E+01 | 13   | .1000E+01 |
| 14   | .1000E+01 | 15   | .1000E+01 | 16   | .1000E+01 |      |           |      |           |
| 17   | .0000E+00 | 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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14   | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14   | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14   | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17   | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 | 21   | .0000E+00 |
| 22   | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |      |           |

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:43:02

\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|------|--------|------|--------|------|--------|------|--------|------|--------|
| 1    |        | 2    |        | 3    |        | 4    |        | 5    |        |
| 6    |        | 7    |        | 8    |        |      |        |      |        |
| 9    |        | 10   |        | 11   |        | 12   |        | 13   |        |
| 14   |        | 15   |        | 16   |        |      |        |      |        |
| 17   |        | 18   |        | 19   |        | 20   |        | 21   |        |
| 22   |        | 23   |        | 24   |        |      |        |      |        |

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*      06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
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\*\*\* MODELOPTs:    RegDFAULT   CONC   ELEV   FLGPOL   URBAN   ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

|                   |        |      |        |                        |        |      |        |      |        |
|-------------------|--------|------|--------|------------------------|--------|------|--------|------|--------|
| SOURCE ID = 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 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*  
 Green River Ranch\12630 0 \*\*\*  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .1000E+01 | 10   | .1000E+01 | 11   | .1000E+01 | 12   | .1000E+01 | 13   | .1000E+01 |
| 14   | .1000E+01 | 15   | .1000E+01 | 16   | .1000E+01 |      |           |      |           |
| 17   | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 | 21   | .0000E+00 |
| 22   | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |      |           |

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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 Green River Ranch\12630 0 \*\*\*  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*  
 06/11/24  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:43:02

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

|   |           |   |           |   |           |   |           |   |           |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 |
| 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |   |           |   |           |

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*      06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
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\*\*\* MODELOPTs:    RegDFault   CONC   ELEV   FLGPOL   URBAN   ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL34                    ; SOURCE TYPE = VOLUME                    :  
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR  
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR  
 - - - - -  
 - - - - -

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|   |           |   |           |   |           |   |           |   |           |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|

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6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:43:02

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

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SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:43:02

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

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SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
- - - - - DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
- - - - - DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:43:02

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24

\*\*\* AERMET - VERSION 16216 \*\*\*  
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10:43:02

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00  
 \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:43:02

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 - - - - -  
 - - - - -  
 DAY OF WEEK = WEEKDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
 14 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00  
 DAY OF WEEK = SATURDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00  
 DAY OF WEEK = SUNDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00  
 \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:43:02

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :

| HOUR                   | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|------------------------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| DAY OF WEEK = WEEKDAY  |           |      |           |      |           |      |           |      |           |
| 1                      | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6                      | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9                      | .1000E+01 | 10   | .1000E+01 | 11   | .1000E+01 | 12   | .1000E+01 | 13   | .1000E+01 |
| 14                     | .1000E+01 | 15   | .1000E+01 | 16   | .1000E+01 |      |           |      |           |
| 17                     | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 | 21   | .0000E+00 |
| 22                     | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |      |           |
| DAY OF WEEK = SATURDAY |           |      |           |      |           |      |           |      |           |
| 1                      | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6                      | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9                      | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14                     | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17                     | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 | 21   | .0000E+00 |
| 22                     | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |      |           |
| DAY OF WEEK = SUNDAY   |           |      |           |      |           |      |           |      |           |
| 1                      | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6                      | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9                      | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14                     | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17                     | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 | 21   | .0000E+00 |
| 22                     | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |      |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*  
 Green River Ranch\12630 0 \*\*\*  
 \*\*\* AERMET - VERSION 16216 \*\*\*

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :

| HOUR                  | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|-----------------------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| DAY OF WEEK = WEEKDAY |           |      |           |      |           |      |           |      |           |
| 1                     | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6                     | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9                     | .1000E+01 | 10   | .1000E+01 | 11   | .1000E+01 | 12   | .1000E+01 | 13   | .1000E+01 |
| 14                    | .1000E+01 | 15   | .1000E+01 | 16   | .1000E+01 |      |           |      |           |
| 17                    | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 | 21   | .0000E+00 |
| 22                    | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |      |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24

\*\*\* AERMET - VERSION 16216 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL42 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 - - - - -

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |



22 .0000E+00 23 .0000E+00 24 .0000E+00  
 \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:43:02

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 - - - - -  
 - - - - -  
 DAY OF WEEK = WEEKDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
 14 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00  
 DAY OF WEEK = SATURDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00  
 DAY OF WEEK = SUNDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:43:02

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|------|--------|------|--------|------|--------|------|--------|------|--------|
| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |      |        |      |        |
| -    | -      | -    | -      | -    | -      | -    | -      | -    | -      |
| -    | -      | -    | -      | -    | -      | -    | -      | -    | -      |

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL45                      ; SOURCE TYPE = VOLUME                      :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|------|--------|------|--------|------|--------|------|--------|------|--------|
| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |      |        |      |        |
| -    | -      | -    | -      | -    | -      | -    | -      | -    | -      |
| -    | -      | -    | -      | -    | -      | -    | -      | -    | -      |

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|   |           |   |           |   |           |   |           |   |           |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|



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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL48 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR  
- - - - -  
- - - - -  
DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00  
DAY OF WEEK = SATURDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00  
DAY OF WEEK = SUNDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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Green River Ranch\12630 0 \*\*\* 06/11/24  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL49 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL50 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -

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DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

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14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL52 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

-----  
-----

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL53 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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-----

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = 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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL55 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 | 9    | .1000E+01 | 10   | .1000E+01 |
| 11   | .1000E+01 | 12   | .1000E+01 | 13   | .1000E+01 | 14   | .1000E+01 | 15   | .1000E+01 |
| 16   | .1000E+01 | 17   | .0000E+00 | 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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 | 9    | .0000E+00 | 10   | .0000E+00 |
| 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 | 14   | .0000E+00 | 15   | .0000E+00 |
| 16   | .0000E+00 | 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 | 9    | .0000E+00 | 10   | .0000E+00 |
| 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 | 14   | .0000E+00 | 15   | .0000E+00 |
| 16   | .0000E+00 | 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 | 9    | .0000E+00 | 10   | .0000E+00 |
| 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 | 14   | .0000E+00 | 15   | .0000E+00 |
| 16   | .0000E+00 | 17   | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 |
| 21   | .0000E+00 | 22   | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:43:02

\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** ***
*** 10:43:02

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ   U\*

| 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 = SATURDAY

DAY OF WEEK = SUNDAY

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1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:43:02

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

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SOURCE ID = VOL61 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:43:02

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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 HOUR SCALAR  
 - - - - -  
 - - - - -

DAY OF WEEK = WEEKDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
 14 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:43:02

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL 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 HOUR SCALAR  
 - - - - -  
 - - - - -

DAY OF WEEK = WEEKDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01

14 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:43:02

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
 (METERS)

( 439260.0, 3749072.6, 149.6, 1142.1, 2.0); ( 439277.6,  
 3749070.7, 149.3, 1142.1, 2.0);  
 ( 439298.4, 3749082.1, 148.2, 1142.1, 2.0); ( 439312.1,  
 3749091.1, 147.4, 1142.1, 2.0);  
 ( 439321.9, 3749098.5, 146.8, 1142.1, 2.0); ( 439240.7,  
 3749074.7, 149.8, 1142.1, 2.0);  
 ( 439217.6, 3749084.1, 149.2, 1142.1, 2.0); ( 439205.3,  
 3749089.8, 148.8, 1142.1, 2.0);  
 ( 439192.1, 3749096.3, 148.3, 1142.1, 2.0); ( 439179.5,  
 3749103.1, 147.9, 1142.1, 2.0);  
 ( 439169.9, 3749108.1, 147.6, 1142.1, 2.0); ( 439157.1,  
 3749113.7, 147.2, 1142.1, 2.0);  
 ( 439137.6, 3749079.0, 150.0, 1142.1, 2.0); ( 439113.3,  
 3749079.2, 150.5, 1142.1, 2.0);  
 ( 439099.8, 3749078.8, 150.5, 1142.1, 2.0); ( 439085.4,  
 3749079.0, 150.6, 1142.1, 2.0);  
 ( 439071.9, 3749078.8, 150.9, 1142.1, 2.0); ( 439045.6,  
 3749077.6, 152.1, 1142.1, 2.0);  
 ( 438992.4, 3749075.4, 153.1, 1142.1, 2.0); ( 438978.2,  
 3749072.7, 153.3, 1142.1, 2.0);  
 ( 438963.0, 3749071.1, 153.5, 1142.1, 2.0); ( 438947.1,

|             |            |         |         |       |             |
|-------------|------------|---------|---------|-------|-------------|
| 3749069.1,  | 153.6,     | 1142.1, | 2.0);   |       |             |
| ( 438932.4, | 3749067.4, | 153.6,  | 1142.1, | 2.0); | ( 438917.5, |
| 3749065.3,  | 153.7,     | 1142.1, | 2.0);   |       |             |
| ( 438902.8, | 3749063.1, | 153.6,  | 1142.1, | 2.0); | ( 438888.1, |
| 3749060.2,  | 153.2,     | 1142.1, | 2.0);   |       |             |
| ( 438870.8, | 3749057.6, | 153.0,  | 1142.1, | 2.0); | ( 438854.9, |
| 3749058.0,  | 153.0,     | 1142.1, | 2.0);   |       |             |
| ( 438838.0, | 3749060.2, | 153.3,  | 1142.1, | 2.0); | ( 438779.5, |
| 3749017.8,  | 155.3,     | 1142.1, | 2.0);   |       |             |
| ( 438784.5, | 3749046.0, | 155.3,  | 1142.1, | 2.0); | ( 438762.9, |
| 3749004.6,  | 155.4,     | 1142.1, | 2.0);   |       |             |
| ( 438815.8, | 3749066.2, | 153.8,  | 1142.1, | 2.0); | ( 439042.5, |
| 3748895.5,  | 160.7,     | 1142.1, | 2.0);   |       |             |
| ( 439038.5, | 3748865.8, | 163.8,  | 1142.1, | 2.0); | ( 438999.1, |
| 3748811.4,  | 169.3,     | 1142.1, | 2.0);   |       |             |
| ( 438921.2, | 3748750.7, | 169.3,  | 1142.1, | 2.0); | ( 438794.0, |
| 3748719.9,  | 136.3,     | 1142.1, | 2.0);   |       |             |
| ( 438730.9, | 3748880.7, | 139.1,  | 1142.1, | 2.0); | ( 438748.5, |
| 3748863.0,  | 139.0,     | 1142.1, | 2.0);   |       |             |
| ( 438764.6, | 3748843.8, | 139.2,  | 1142.1, | 2.0); | ( 438785.5, |
| 3748816.7,  | 136.1,     | 1142.1, | 2.0);   |       |             |
| ( 438805.1, | 3748788.0, | 136.7,  | 1142.1, | 2.0); | ( 438803.2, |
| 3748750.8,  | 136.5,     | 1142.1, | 2.0);   |       |             |
| ( 438788.4, | 3748703.2, | 136.7,  | 1142.1, | 2.0); | ( 438780.5, |
| 3748674.0,  | 136.6,     | 1142.1, | 2.0);   |       |             |
| ( 438768.9, | 3748645.4, | 136.5,  | 1142.1, | 2.0); | ( 438751.6, |
| 3748620.5,  | 135.7,     | 1142.1, | 2.0);   |       |             |
| ( 438730.3, | 3748595.8, | 135.0,  | 1142.1, | 2.0); | ( 438712.2, |
| 3748572.0,  | 133.7,     | 1142.1, | 2.0);   |       |             |
| ( 438693.5, | 3748548.8, | 131.9,  | 1142.1, | 2.0); | ( 438676.8, |
| 3748525.0,  | 131.1,     | 1142.1, | 2.0);   |       |             |
| ( 438655.8, | 3748497.8, | 131.0,  | 1142.1, | 2.0); | ( 438639.1, |
| 3748475.7,  | 131.4,     | 1142.1, | 2.0);   |       |             |
| ( 438619.5, | 3748452.5, | 131.5,  | 1142.1, | 2.0); | ( 438600.3, |
| 3748429.8,  | 131.6,     | 1142.1, | 2.0);   |       |             |
| ( 438580.7, | 3748404.6, | 131.1,  | 1142.1, | 2.0); | ( 438561.4, |
| 3748384.2,  | 131.1,     | 1142.1, | 2.0);   |       |             |
| ( 438540.8, | 3748363.8, | 131.1,  | 1142.1, | 2.0); | ( 438520.9, |
| 3748341.1,  | 131.1,     | 1142.1, | 2.0);   |       |             |
| ( 438500.0, | 3748320.4, | 130.5,  | 1142.1, | 2.0); | ( 438735.7, |
| 3748992.6,  | 156.9,     | 1142.1, | 2.0);   |       |             |
| ( 438675.3, | 3748985.1, | 148.4,  | 1142.1, | 2.0); | ( 439331.0, |
| 3749107.6,  | 146.2,     | 1142.1, | 2.0);   |       |             |
| ( 439341.9, | 3749117.1, | 145.5,  | 1142.1, | 2.0); | ( 439353.6, |
| 3749127.3,  | 144.5,     | 1142.1, | 2.0);   |       |             |
| ( 439366.1, | 3749137.4, | 143.4,  | 1142.1, | 2.0); | ( 439375.7, |
| 3749143.9,  | 142.6,     | 1142.1, | 2.0);   |       |             |
| ( 439388.4, | 3749153.5, | 141.3,  | 1142.1, | 2.0); | ( 439400.5, |
| 3749162.1,  | 140.2,     | 1142.1, | 2.0);   |       |             |
| ( 439413.6, | 3749169.9, | 139.5,  | 1142.1, | 2.0); | ( 439425.7, |

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3749178.1, 138.9, 1142.1, 2.0);
(439449.6, 3749192.9, 138.5, 1142.1, 2.0); (439473.0,
3749214.4, 138.5, 1142.1, 2.0);
(439800.8, 3749040.5, 147.5, 1142.1, 2.0); (439873.8,
3748887.4, 156.3, 1142.1, 2.0);
(439887.6, 3748802.5, 161.9, 1142.1, 2.0); (440077.8,
3748740.2, 180.5, 1142.1, 2.0);
(440019.2, 3748682.1, 178.2, 1142.1, 2.0); (439929.6,
3748601.8, 215.7, 1142.1, 2.0);
(439955.0, 3748605.9, 216.9, 1142.1, 2.0); (439983.2,
3748614.2, 213.8, 1142.1, 2.0);
(440006.2, 3748617.4, 211.2, 1142.1, 2.0); (440071.3,
3748624.4, 201.1, 1142.1, 2.0);
(440087.9, 3748639.6, 190.9, 1142.1, 2.0); (440117.0,
3748767.0, 190.4, 1142.1, 2.0);
(439940.2, 3748575.0, 215.8, 1142.1, 2.0); (439996.1,
3748506.2, 215.9, 1142.1, 2.0);
(440023.3, 3748475.8, 213.2, 1142.1, 2.0); (440043.2,
3748463.8, 217.3, 1142.1, 2.0);
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:43:02

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
(METERS)

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(440054.7, 3748448.5, 218.5, 1142.1, 2.0); (440063.5,
3748429.6, 219.1, 1142.1, 2.0);
(440072.3, 3748414.8, 221.0, 1142.1, 2.0); (440083.8,
3748396.4, 222.7, 1142.1, 2.0);
(440096.3, 3748378.8, 225.5, 1142.1, 2.0); (440105.1,
3748361.8, 227.1, 1142.1, 2.0);
(440106.9, 3748342.8, 226.4, 1142.1, 2.0); (440120.8,
3748318.8, 231.8, 1142.1, 2.0);
(440122.7, 3748286.9, 233.8, 1142.1, 2.0); (440117.3,
3748252.6, 235.6, 1142.1, 2.0);
(440121.3, 3748218.1, 241.7, 1142.1, 2.0); (440128.1,
3748298.0, 235.1, 1142.1, 2.0);
(440266.3, 3748117.4, 245.8, 1142.1, 2.0); (440165.5,
3747898.5, 272.1, 1142.1, 2.0);
(440191.3, 3747915.0, 264.6, 1142.1, 2.0); (440206.6,
3747939.3, 273.8, 1142.1, 2.0);
(440247.4, 3747944.8, 263.2, 1142.1, 2.0); (440266.7,
3747950.7, 259.8, 1142.1, 2.0);
(440283.1, 3747959.7, 258.2, 1142.1, 2.0); (440300.0,

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^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** ***
*** 10:43:02

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ_U*
```

PROCESSING \*\*\*

[illegible]

\*\*\* UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED

(METERS/SEC)

1.54, 3.09, 5.14, 8.23,  
 10.80,  
 \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:43:02

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 \*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*  
 \*\*\* UP TO THE FIRST 24 HOURS OF METEOROLOGICAL  
 DATA \*\*\*

Surface file: KRAL\_V9\_ADJU\KRAL\_v9.SFC  
 Met Version: 16216  
 Profile file: KRAL\_V9\_ADJU\KRAL\_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3171 Upper air station no.: 3190  
 Name: UNKNOWN Name: UNKNOWN  
 Year: 2012 Year: 2012

First 24 hours of scalar data

| YR     | MO   | DY  | JDY  | HR    | H0    | U*    | W*     | DT/DZ  | ZICNV | ZIMCH | M-O   | LEN  | Z0   | BOWEN |
|--------|------|-----|------|-------|-------|-------|--------|--------|-------|-------|-------|------|------|-------|
| ALBEDO | REF  | WS  | WD   | HT    | REF   | TA    | HT     |        |       |       |       |      |      |       |
| 12     | 01   | 01  | 1    | 01    | -25.6 | 0.266 | -9.000 | -9.000 | -999. | 330.  | 77.9  | 0.15 | 2.40 |       |
| 1.00   | 2.93 | 55. | 10.1 | 288.1 | 2.0   |       |        |        |       |       |       |      |      |       |
| 12     | 01   | 01  | 1    | 02    | -26.8 | 0.277 | -9.000 | -9.000 | -999. | 351.  | 84.7  | 0.15 | 2.40 |       |
| 1.00   | 3.05 | 55. | 10.1 | 287.0 | 2.0   |       |        |        |       |       |       |      |      |       |
| 12     | 01   | 01  | 1    | 03    | -21.5 | 0.221 | -9.000 | -9.000 | -999. | 250.  | 53.5  | 0.15 | 2.40 |       |
| 1.00   | 2.45 | 74. | 10.1 | 284.2 | 2.0   |       |        |        |       |       |       |      |      |       |
| 12     | 01   | 01  | 1    | 04    | -22.0 | 0.227 | -9.000 | -9.000 | -999. | 260.  | 56.8  | 0.15 | 2.40 |       |
| 1.00   | 2.52 | 77. | 10.1 | 285.9 | 2.0   |       |        |        |       |       |       |      |      |       |
| 12     | 01   | 01  | 1    | 05    | -20.0 | 0.206 | -9.000 | -9.000 | -999. | 225.  | 46.8  | 0.15 | 2.40 |       |
| 1.00   | 2.30 | 80. | 10.1 | 285.4 | 2.0   |       |        |        |       |       |       |      |      |       |
| 12     | 01   | 01  | 1    | 06    | -14.4 | 0.171 | -9.000 | -9.000 | -999. | 170.  | 32.1  | 0.15 | 2.40 |       |
| 1.00   | 1.93 | 79. | 10.1 | 287.0 | 2.0   |       |        |        |       |       |       |      |      |       |
| 12     | 01   | 01  | 1    | 07    | -14.9 | 0.174 | -9.000 | -9.000 | -999. | 174.  | 33.2  | 0.15 | 2.40 |       |
| 1.00   | 1.96 | 77. | 10.1 | 284.2 | 2.0   |       |        |        |       |       |       |      |      |       |
| 12     | 01   | 01  | 1    | 08    | -11.9 | 0.169 | -9.000 | -9.000 | -999. | 167.  | 36.1  | 0.15 | 2.40 |       |
| 0.53   | 1.89 | 77. | 10.1 | 288.1 | 2.0   |       |        |        |       |       |       |      |      |       |
| 12     | 01   | 01  | 1    | 09    | 40.4  | 0.234 | 0.359  | 0.006  | 40.   | 272.  | -28.1 | 0.15 | 2.40 |       |
| 0.31   | 2.10 | 81. | 10.1 | 289.2 | 2.0   |       |        |        |       |       |       |      |      |       |
| 12     | 01   | 01  | 1    | 10    | 112.6 | 0.246 | 0.742  | 0.005  | 129.  | 293.  | -11.8 | 0.15 | 2.40 |       |

|      |      |      |      |       |       |       |        |        |       |      |        |      |      |
|------|------|------|------|-------|-------|-------|--------|--------|-------|------|--------|------|------|
| 0.24 | 1.99 | 101. | 10.1 | 296.4 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01   | 1    | 11    | 161.0 | 0.402 | 1.188  | 0.005  | 369.  | 611. | -35.6  | 0.15 | 2.40 |
| 0.21 | 3.68 | 78.  | 10.1 | 298.8 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01   | 1    | 12    | 184.7 | 0.337 | 1.516  | 0.005  | 668.  | 473. | -18.4  | 0.15 | 2.40 |
| 0.20 | 2.89 | 68.  | 10.1 | 300.4 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01   | 1    | 13    | 183.9 | 0.310 | 1.809  | 0.005  | 1139. | 414. | -14.2  | 0.15 | 2.40 |
| 0.20 | 2.57 | 64.  | 10.1 | 302.5 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01   | 1    | 14    | 156.6 | 0.374 | 1.852  | 0.005  | 1434. | 549. | -29.5  | 0.15 | 2.40 |
| 0.22 | 3.37 | 63.  | 10.1 | 303.1 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01   | 1    | 15    | 104.3 | 0.382 | 1.658  | 0.005  | 1546. | 567. | -47.2  | 0.15 | 2.40 |
| 0.25 | 3.59 | 62.  | 10.1 | 302.5 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01   | 1    | 16    | 31.8  | 0.374 | 1.123  | 0.005  | 1573. | 550. | -145.8 | 0.15 | 2.40 |
| 0.34 | 3.76 | 69.  | 10.1 | 300.9 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01   | 1    | 17    | -23.3 | 0.276 | -9.000 | -9.000 | -999. | 354. | 84.0   | 0.15 | 2.40 |
| 0.62 | 3.03 | 59.  | 10.1 | 297.5 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01   | 1    | 18    | -21.5 | 0.229 | -9.000 | -9.000 | -999. | 264. | 57.8   | 0.15 | 2.40 |
| 1.00 | 2.54 | 54.  | 10.1 | 295.4 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01   | 1    | 19    | -19.3 | 0.204 | -9.000 | -9.000 | -999. | 221. | 45.6   | 0.15 | 2.40 |
| 1.00 | 2.27 | 79.  | 10.1 | 292.0 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01   | 1    | 20    | -20.7 | 0.218 | -9.000 | -9.000 | -999. | 244. | 52.2   | 0.15 | 2.40 |
| 1.00 | 2.42 | 79.  | 10.1 | 292.5 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01   | 1    | 21    | -19.7 | 0.206 | -9.000 | -9.000 | -999. | 225. | 46.9   | 0.15 | 2.40 |
| 1.00 | 2.30 | 95.  | 10.1 | 290.9 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01   | 1    | 22    | -17.6 | 0.190 | -9.000 | -9.000 | -999. | 199. | 39.8   | 0.15 | 2.40 |
| 1.00 | 2.13 | 78.  | 10.1 | 290.4 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01   | 1    | 23    | -20.3 | 0.211 | -9.000 | -9.000 | -999. | 233. | 49.0   | 0.15 | 2.40 |
| 1.00 | 2.35 | 52.  | 10.1 | 289.2 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01   | 1    | 24    | -16.4 | 0.183 | -9.000 | -9.000 | -999. | 189. | 37.0   | 0.15 | 2.40 |
| 1.00 | 2.06 | 75.  | 10.1 | 288.8 | 2.0   |       |        |        |       |      |        |      |      |

First hour of profile data

| YR | MO | DY | HR | HEIGHT | F | WDIR | WSPD | AMB_TMP | sigmaA | sigmaW | sigmaV |
|----|----|----|----|--------|---|------|------|---------|--------|--------|--------|
| 12 | 01 | 01 | 01 | 10.1   | 1 | 55.  | 2.93 | 288.2   | 99.0   | -99.00 | -99.00 |

F indicates top of profile (=1) or below (=0)

```

^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:43:02

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): VOL1 , VOL2  
, VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10  
, VOL11 , VOL12 , VOL13 ,

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
|         | VOL14   | , VOL15 | , VOL16 | , VOL17 | , VOL18 |
| , VOL19 | , VOL20 | , VOL21 | ,       |         |         |
|         | VOL22   | , VOL23 | , VOL24 | , VOL25 | , VOL26 |
| , VOL27 | , VOL28 | , . . . | ,       |         |         |

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF NOX IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC       | (YYMMDDHH) | X-COORD (M) |
|-------------|-------------|------------|------------|-------------|
| Y-COORD (M) | CONC        | (YYMMDDHH) |            |             |
| 439259.97   | 3749072.65  | 2.42840    | (14021809) | 439277.61   |
| 3749070.69  | 2.62748     | (14021809) |            |             |
| 439298.40   | 3749082.06  | 2.71907    | (14021809) | 439312.13   |
| 3749091.08  | 2.72908     | (14021809) |            |             |
| 439321.93   | 3749098.54  | 2.70657    | (14021809) | 439240.72   |
| 3749074.67  | 2.22155     | (14021809) |            |             |
| 439217.60   | 3749084.06  | 1.96197    | (14021809) | 439205.31   |
| 3749089.84  | 1.83741     | (14021809) |            |             |
| 439192.07   | 3749096.35  | 1.71475    | (14021809) | 439179.54   |
| 3749103.09  | 1.63824     | (13021809) |            |             |
| 439169.91   | 3749108.15  | 1.59210    | (13021809) | 439157.14   |
| 3749113.69  | 1.53959     | (13021809) |            |             |
| 439137.63   | 3749079.00  | 1.61853    | (13021809) | 439113.31   |
| 3749079.24  | 1.53576     | (13021809) |            |             |
| 439099.82   | 3749078.76  | 1.48917    | (13021809) | 439085.37   |
| 3749079.00  | 1.43775     | (13021809) |            |             |
| 439071.88   | 3749078.76  | 1.39175    | (13021809) | 439045.63   |
| 3749077.56  | 1.30566     | (13021809) |            |             |
| 438992.40   | 3749075.39  | 1.15476    | (15012916) | 438978.19   |
| 3749072.74  | 1.13494     | (16120116) |            |             |
| 438963.01   | 3749071.06  | 1.11429    | (16120116) | 438947.12   |
| 3749069.13  | 1.09350     | (16120116) |            |             |
| 438932.42   | 3749067.44  | 1.07458    | (16120116) | 438917.49   |
| 3749065.27  | 1.05689     | (16120116) |            |             |
| 438902.80   | 3749063.11  | 1.04006    | (16120116) | 438888.11   |
| 3749060.22  | 1.02501     | (16120116) |            |             |
| 438870.76   | 3749057.57  | 1.00644    | (16120116) | 438854.87   |
| 3749058.05  | 0.98535     | (16120116) |            |             |
| 438838.01   | 3749060.22  | 0.96140    | (16120116) | 438779.48   |
| 3749017.83  | 0.94709     | (16120116) |            |             |
| 438784.54   | 3749046.01  | 0.91878    | (16120116) | 438762.86   |
| 3749004.58  | 0.93881     | (16120116) |            |             |
| 438815.85   | 3749066.24  | 0.92674    | (16120116) | 439042.50   |
| 3748895.54  | 1.74965     | (13112716) |            |             |
| 439038.53   | 3748865.79  | 1.84339    | (13112716) | 438999.14   |

|            |            |            |                      |
|------------|------------|------------|----------------------|
| 3748811.38 | 2.08660    | (16120116) |                      |
| 438921.22  | 3748750.74 | 2.12360    | (13112716) 438794.05 |
| 3748719.90 | 1.34770    | (15021709) |                      |
| 438730.91  | 3748880.70 | 1.03907    | (13112716) 438748.55 |
| 3748863.05 | 1.09938    | (13112716) |                      |
| 438764.63  | 3748843.83 | 1.16412    | (13112716) 438785.55 |
| 3748816.73 | 1.24271    | (13112716) |                      |
| 438805.14  | 3748787.97 | 1.34067    | (13112716) 438803.16 |
| 3748750.85 | 1.37016    | (13112716) |                      |
| 438788.42  | 3748703.24 | 1.38667    | (15021709) 438780.49 |
| 3748674.05 | 1.43770    | (15021709) |                      |
| 438768.87  | 3748645.43 | 1.44490    | (15021709) 438751.58 |
| 3748620.50 | 1.40167    | (15021709) |                      |
| 438730.33  | 3748595.84 | 1.33039    | (15021709) 438712.19 |
| 3748572.04 | 1.25631    | (15021709) |                      |
| 438693.49  | 3748548.80 | 1.17312    | (15021709) 438676.77 |
| 3748525.00 | 1.11617    | (12012315) |                      |
| 438655.80  | 3748497.80 | 1.07176    | (12012315) 438639.08 |
| 3748475.69 | 1.03110    | (12012315) |                      |
| 438619.53  | 3748452.46 | 0.98039    | (12012315) 438600.26 |
| 3748429.79 | 0.92821    | (12012315) |                      |
| 438580.71  | 3748404.57 | 0.86908    | (12012315) 438561.44 |
| 3748384.17 | 0.81769    | (12012315) |                      |
| 438540.75  | 3748363.76 | 0.76570    | (12012315) 438520.92 |
| 3748341.09 | 0.71108    | (12012315) |                      |
| 438499.95  | 3748320.41 | 0.69133    | (12121315) 438735.66 |
| 3748992.65 | 0.91029    | (16120116) |                      |
| 438675.26  | 3748985.08 | 0.80899    | (16120116) 439331.05 |
| 3749107.64 | 2.65036    | (14021809) |                      |
| 439341.93  | 3749117.09 | 2.58590    | (14021809) 439353.60 |
| 3749127.33 | 2.50211    | (14021809) |                      |
| 439366.09  | 3749137.37 | 2.41293    | (14021809) 439375.72 |
| 3749143.92 | 2.35053    | (14021809) |                      |
| 439388.41  | 3749153.54 | 2.25084    | (14021809) 439400.49 |
| 3749162.14 | 2.15705    | (14021809) |                      |
| 439413.60  | 3749169.92 | 2.06579    | (14021809) 439425.68 |
| 3749178.11 | 1.96999    | (14021809) |                      |
| 439449.64  | 3749192.86 | 1.86386    | (16010615) 439473.05 |
| 3749214.38 | 1.80704    | (13112916) |                      |
| 439800.83  | 3749040.52 | 5.08729    | (13112916) 439873.79 |
| 3748887.43 | 6.25990    | (13112916) |                      |
| 439887.64  | 3748802.52 | 6.17975    | (12121716) 440077.78 |
| 3748740.21 | 3.84030    | (13121916) |                      |
| 440019.17  | 3748682.06 | 4.10596    | (13121916) 439929.64 |
| 3748601.76 | 5.13043    | (13121916) |                      |

^ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:43:02

\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
VALUES FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2  
 , VOL3 , VOL4 , VOL5 ,  
 , VOL6 , VOL7 , VOL8 , VOL9 , VOL10  
 , VOL11 , VOL12 , VOL13 ,  
 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18  
 , VOL19 , VOL20 , VOL21 ,  
 , VOL22 , VOL23 , VOL24 , VOL25 , VOL26  
 , VOL27 , VOL28 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF NOX IN MICROGRAMS/M\*\*3

| X-COORD (M) | Y-COORD (M) | CONC       | (YYMMDDHH) | X-COORD (M) |
|-------------|-------------|------------|------------|-------------|
| Y-COORD (M) | CONC        | (YYMMDDHH) |            |             |
| 439955.02   | 3748605.92  | 4.72406    | (13121916) | 439983.17   |
| 3748614.22  | 4.48145     | (13121916) |            |             |
| 440006.24   | 3748617.45  | 4.36378    | (13121916) | 440071.32   |
| 3748624.38  | 4.16519     | (13121916) |            |             |
| 440087.93   | 3748639.61  | 3.89193    | (13121916) | 440117.00   |
| 3748766.98  | 3.42665     | (13121916) |            |             |
| 439940.25   | 3748575.00  | 5.11930    | (13121916) | 439996.09   |
| 3748506.23  | 4.63555     | (13121916) |            |             |
| 440023.32   | 3748475.77  | 4.60963    | (12121716) | 440043.16   |
| 3748463.78  | 4.23378     | (12121716) |            |             |
| 440054.70   | 3748448.55  | 4.10124    | (12121716) | 440063.47   |
| 3748429.62  | 4.00027     | (12121716) |            |             |
| 440072.29   | 3748414.84  | 3.84055    | (12121716) | 440083.83   |
| 3748396.38  | 3.66692     | (12121716) |            |             |
| 440096.29   | 3748378.84  | 3.46461    | (12121716) | 440105.06   |
| 3748361.76  | 3.32142     | (12121716) |            |             |
| 440106.91   | 3748342.84  | 3.24259    | (12121716) | 440120.75   |
| 3748318.84  | 2.95987     | (12121716) |            |             |
| 440122.71   | 3748286.94  | 2.72824    | (12121716) | 440117.33   |
| 3748252.65  | 2.46071     | (12121716) |            |             |
| 440121.30   | 3748218.07  | 2.08555    | (12121716) | 440128.10   |
| 3748298.00  | 2.76189     | (12121716) |            |             |
| 440266.27   | 3748117.44  | 1.22131    | (12121716) | 440165.45   |
| 3747898.52  | 0.98156     | (14120316) |            |             |
| 440191.34   | 3747915.00  | 1.01259    | (14120316) | 440206.64   |
| 3747939.32  | 0.96270     | (14120316) |            |             |

|            |            |            |            |           |
|------------|------------|------------|------------|-----------|
| 440247.44  | 3747944.82 | 0.97127    | (14120316) | 440266.66 |
| 3747950.70 | 0.95832    | (14120316) |            |           |
| 440283.14  | 3747959.73 | 0.93412    | (14120316) | 440300.01 |
| 3747969.14 | 0.89287    | (14120316) |            |           |
| 440321.20  | 3747989.15 | 0.83291    | (14120316) | 440293.34 |
| 3748093.90 | 1.08940    | (12121716) |            |           |
| 440300.01  | 3748071.14 | 0.92365    | (12121716) | 440307.86 |
| 3748048.39 | 0.80480    | (14120316) |            |           |
| 440314.13  | 3748028.38 | 0.80489    | (14120316) | 440320.02 |
| 3748006.80 | 0.80167    | (14120316) |            |           |
| 440335.28  | 3747569.25 | 0.61001    | (14120316) | 440507.19 |
| 3748971.21 | 0.99501    | (14111116) |            |           |
| 439956.03  | 3749044.31 | 3.50009    | (13112916) | 439952.87 |
| 3748770.03 | 4.58475    | (12121716) |            |           |
| 438867.06  | 3748863.17 | 1.38641    | (13112716) |           |

^ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:43:02

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF HIGHEST 1-HR

RESULTS \*\*\*

\*\* CONC OF NOX IN MICROGRAMS/M\*\*3

\*\*

| GROUP ID                      |  | AVERAGE CONC |                 | DATE       | RECEPTOR |
|-------------------------------|--|--------------|-----------------|------------|----------|
| (XR, YR, ZELEV, ZHILL, ZFLAG) |  | OF TYPE      | NETWORK GRID-ID | (YYMMDDHH) |          |
| -----                         |  |              |                 |            |          |
| -----                         |  |              |                 |            |          |

ALL HIGH 1ST HIGH VALUE IS 6.25990 ON 13112916: AT ( 439873.79,  
 3748887.43, 156.27, 1142.09, 2.00) DC

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
 GP = GRIDPOLR  
 DC = DISCCART  
 DP = DISCPOLR

^ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:43:02

\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* Message Summary : AERMOD Model Execution \*\*\*

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)  
A Total of 2 Warning Message(s)  
A Total of 1638 Informational Message(s)  
  
A Total of 43848 Hours Were Processed  
  
A Total of 1039 Calm Hours Identified  
  
A Total of 599 Missing Hours Identified ( 1.37 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*  
\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
ME W186 1085 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used  
0.50  
ME W187 1085 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*  
\*\*\* AERMOD Finishes Successfully \*\*\*  
\*\*\*\*\*

\*\*

\*\*\*\*\*

\*\*

\*\* AERMOD Input Produced by:  
\*\* AERMOD View Ver. 12.0.0  
\*\* Lakes Environmental Software Inc.  
\*\* Date: 6/11/2024  
\*\* File: C:\Users\adadabhoy\Desktop\AERMOD\12630 Green River Ranch\12630 Ops  
PM10\12630 Ops PM10.ADI

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\*\* AERMOD Control Pathway

\*\*\*\*\*

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\*\*



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CO STARTING
 TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\12630 Green River Ranch\12630 0
 MODELOPT DFAULT CONC
 AVERTIME 24
 URBANOPT 2189641 Riverside_County
 POLLUTID PM_10
 FLAGPOLE 2.00
 RUNORNOT RUN
 ERRORFIL "12630 Ops PM10.err"

```

CO FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Source Pathway

\*\*\*\*\*

\*\*

\*\*

SO STARTING

\*\* Source Location \*\*

\*\* Source ID - Type - X Coord. - Y Coord. \*\*

|                |        |            |             |         |
|----------------|--------|------------|-------------|---------|
| LOCATION VOL1  | VOLUME | 439309.748 | 3748858.376 | 161.250 |
| LOCATION VOL2  | VOLUME | 439374.128 | 3748922.763 | 156.930 |
| LOCATION VOL3  | VOLUME | 439455.801 | 3748932.328 | 154.240 |
| LOCATION VOL4  | VOLUME | 439463.159 | 3748879.351 | 157.760 |
| LOCATION VOL5  | VOLUME | 439391.051 | 3748849.183 | 160.760 |
| LOCATION VOL6  | VOLUME | 439538.210 | 3748941.894 | 153.630 |
| LOCATION VOL7  | VOLUME | 439791.324 | 3748855.070 | 157.420 |
| LOCATION VOL8  | VOLUME | 439711.122 | 3748854.334 | 157.470 |
| LOCATION VOL9  | VOLUME | 439633.128 | 3748853.598 | 157.760 |
| LOCATION VOL10 | VOLUME | 439551.455 | 3748852.127 | 158.730 |
| LOCATION VOL11 | VOLUME | 439793.532 | 3748775.604 | 163.250 |
| LOCATION VOL12 | VOLUME | 439712.594 | 3748774.868 | 161.370 |
| LOCATION VOL13 | VOLUME | 439632.392 | 3748774.132 | 162.310 |
| LOCATION VOL14 | VOLUME | 439552.190 | 3748773.396 | 163.870 |
| LOCATION VOL15 | VOLUME | 439471.989 | 3748772.661 | 162.240 |
| LOCATION VOL16 | VOLUME | 439391.051 | 3748771.925 | 164.850 |
| LOCATION VOL17 | VOLUME | 439310.849 | 3748769.717 | 165.560 |
| LOCATION VOL18 | VOLUME | 439121.750 | 3748688.044 | 178.040 |
| LOCATION VOL19 | VOLUME | 439202.687 | 3748688.044 | 176.120 |
| LOCATION VOL20 | VOLUME | 439283.625 | 3748689.516 | 171.580 |
| LOCATION VOL21 | VOLUME | 439365.298 | 3748690.251 | 170.660 |
| LOCATION VOL22 | VOLUME | 439446.972 | 3748692.459 | 169.250 |
| LOCATION VOL23 | VOLUME | 439528.645 | 3748693.930 | 171.250 |
| LOCATION VOL24 | VOLUME | 439610.318 | 3748694.666 | 167.770 |
| LOCATION VOL25 | VOLUME | 439691.992 | 3748693.195 | 166.370 |
| LOCATION VOL26 | VOLUME | 439772.929 | 3748693.195 | 175.080 |
| LOCATION VOL27 | VOLUME | 439822.963 | 3748612.993 | 188.660 |
| LOCATION VOL28 | VOLUME | 439743.497 | 3748613.729 | 173.330 |
| LOCATION VOL29 | VOLUME | 439662.560 | 3748612.993 | 177.500 |
| LOCATION VOL30 | VOLUME | 439583.094 | 3748613.729 | 177.610 |
| LOCATION VOL31 | VOLUME | 439502.156 | 3748613.729 | 180.210 |

|                |        |            |             |         |
|----------------|--------|------------|-------------|---------|
| LOCATION VOL32 | VOLUME | 439421.219 | 3748612.993 | 175.050 |
| LOCATION VOL33 | VOLUME | 439341.753 | 3748613.729 | 180.220 |
| LOCATION VOL34 | VOLUME | 439260.815 | 3748613.729 | 185.530 |
| LOCATION VOL35 | VOLUME | 439180.613 | 3748611.521 | 196.860 |
| LOCATION VOL36 | VOLUME | 439132.787 | 3748609.314 | 188.370 |
| LOCATION VOL37 | VOLUME | 439132.051 | 3748527.640 | 198.180 |
| LOCATION VOL38 | VOLUME | 439212.988 | 3748528.376 | 207.120 |
| LOCATION VOL39 | VOLUME | 439291.719 | 3748530.584 | 210.020 |
| LOCATION VOL40 | VOLUME | 439372.656 | 3748531.319 | 192.510 |
| LOCATION VOL41 | VOLUME | 439453.594 | 3748530.584 | 191.060 |
| LOCATION VOL42 | VOLUME | 439535.267 | 3748532.791 | 202.180 |
| LOCATION VOL43 | VOLUME | 439616.205 | 3748533.527 | 177.120 |
| LOCATION VOL44 | VOLUME | 439697.142 | 3748532.791 | 199.900 |
| LOCATION VOL45 | VOLUME | 439778.080 | 3748534.998 | 179.030 |
| LOCATION VOL46 | VOLUME | 439821.492 | 3748532.055 | 188.360 |
| LOCATION VOL48 | VOLUME | 439213.724 | 3748448.174 | 212.290 |
| LOCATION VOL49 | VOLUME | 439293.926 | 3748449.646 | 227.840 |
| LOCATION VOL50 | VOLUME | 439373.392 | 3748451.118 | 194.220 |
| LOCATION VOL51 | VOLUME | 439452.858 | 3748449.646 | 203.050 |
| LOCATION VOL52 | VOLUME | 439534.531 | 3748451.118 | 218.960 |
| LOCATION VOL53 | VOLUME | 439614.733 | 3748453.325 | 186.120 |
| LOCATION VOL54 | VOLUME | 439696.407 | 3748454.797 | 204.900 |
| LOCATION VOL55 | VOLUME | 439780.287 | 3748453.325 | 199.550 |
| LOCATION VOL58 | VOLUME | 439290.247 | 3748369.444 | 229.260 |
| LOCATION VOL59 | VOLUME | 439370.449 | 3748369.444 | 199.150 |
| LOCATION VOL60 | VOLUME | 439451.386 | 3748370.916 | 231.160 |
| LOCATION VOL61 | VOLUME | 439533.796 | 3748370.916 | 220.080 |
| LOCATION VOL62 | VOLUME | 439613.997 | 3748373.123 | 193.690 |
| LOCATION VOL63 | VOLUME | 439693.463 | 3748374.595 | 208.120 |

\*\* Source Parameters \*\*

|                |              |       |        |       |
|----------------|--------------|-------|--------|-------|
| SRCPARAM VOL1  | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL2  | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL3  | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL4  | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL5  | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL6  | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL7  | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL8  | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL9  | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL10 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL11 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL12 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL13 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL14 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL15 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL16 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL17 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL18 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL19 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL20 | 0.0011352409 | 5.000 | 18.651 | 1.400 |

|          |       |              |       |        |       |
|----------|-------|--------------|-------|--------|-------|
| SRCPARAM | VOL21 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL22 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL23 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL24 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL25 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL26 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL27 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL28 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL29 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL30 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL31 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL32 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL33 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL34 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL35 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL36 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL37 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL38 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL39 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL40 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL41 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL42 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL43 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL44 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL45 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL46 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL48 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL49 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL50 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL51 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL52 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL53 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL54 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL55 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL58 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL59 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL60 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL61 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL62 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM | VOL63 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| URBANSRC | ALL   |              |       |        |       |

\*\* Variable Emissions Type: "By Hour / Day (HRDOW)"

\*\* Variable Emission Scenario: "Scenario 1"

\*\* WeekDays:

|          |      |       |     |     |     |     |     |     |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | VOL1 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* Saturday:

|               |                               |
|---------------|-------------------------------|
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:    |                               |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:  |                               |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL2 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:  |                               |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:    |                               |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:  |                               |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL3 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:  |                               |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:    |                               |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:  |                               |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL4 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:  |                               |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:    |                               |

[illegible]

|                |                               |
|----------------|-------------------------------|
| EMISFACT VOL8  | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL8  | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL8  | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL8  | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:   |                               |
| EMISFACT VOL8  | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL8  | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL8  | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL8  | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:     |                               |
| EMISFACT VOL8  | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL8  | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL8  | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL8  | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:   |                               |
| EMISFACT VOL9  | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL9  | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL9  | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL9  | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:   |                               |
| EMISFACT VOL9  | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL9  | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL9  | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL9  | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:     |                               |
| EMISFACT VOL9  | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL9  | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL9  | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL9  | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:   |                               |
| EMISFACT VOL10 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL10 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL10 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL10 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:   |                               |
| EMISFACT VOL10 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL10 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| 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:   |                               |

[illegible]

[illegible]



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[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

|                            |                               |
|----------------------------|-------------------------------|
| EMISFACT VOL61             | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL61             | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL61             | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL61             | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:               |                               |
| EMISFACT VOL61             | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL61             | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL61             | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL61             | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:                 |                               |
| EMISFACT VOL61             | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL61             | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL61             | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL61             | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:               |                               |
| 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 |
| SRCGROUP ALL               |                               |
| SO FINISHED                |                               |
| **                         |                               |
| *****                      |                               |
| ** AERMOD Receptor Pathway |                               |
| *****                      |                               |

```
**
**
RE STARTING
 INCLUDED "12630 Ops PM10.rou"
RE FINISHED
**

** AERMOD Meteorology Pathway

**
**
ME STARTING
 SURFFILE KRAL_V9_ADJU\KRAL_v9.SFC
 PROFFILE KRAL_V9_ADJU\KRAL_v9.PFL
 SURFDATA 3171 2012
 UAIRDATA 3190 2012
 PROFBASE 245.0 METERS
ME FINISHED
**

** AERMOD Output Pathway

**
**
OU STARTING
 RECTABLE ALLAVE 1ST
 RECTABLE 24 1ST
** Auto-Generated Plotfiles
 PLOTFILE 24 ALL 1ST "12630 OPS PM10.AD\24H1GALL.PLT" 31
 SUMMFILE "12630 Ops PM10.sum"
OU FINISHED
**

** Project Parameters

** PROJCTN CoordinateSystemUTM
** DESCPTN UTM: Universal Transverse Mercator
** DATUM North American Datum 1983
** DTMRGN CONUS
** UNITS m
** ZONE 11
** ZONEINX 0
**
**

**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 6/11/2024
```

\*\* File: C:\Users\adadabhoy\Desktop\AERMOD\12630 Green River Ranch\12630 Ops  
PM10\12630 Ops PM10.ADI

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\*\* AERMOD Control Pathway

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\*\*

\*\*

CO STARTING

TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\12630 Green River Ranch\12630 O

MODELOPT DFAULT CONC

AVERTIME 24

URBANOPT 2189641 Riverside\_County

POLLUTID PM\_10

FLAGPOLE 2.00

RUNORNOT RUN

ERRORFIL "12630 Ops PM10.err"

CO FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Source Pathway

\*\*\*\*\*

\*\*

\*\*

SO STARTING

\*\* Source Location \*\*

\*\* Source ID - Type - X Coord. - Y Coord. \*\*

|                |        |            |             |         |
|----------------|--------|------------|-------------|---------|
| LOCATION VOL1  | VOLUME | 439309.748 | 3748858.376 | 161.250 |
| LOCATION VOL2  | VOLUME | 439374.128 | 3748922.763 | 156.930 |
| LOCATION VOL3  | VOLUME | 439455.801 | 3748932.328 | 154.240 |
| LOCATION VOL4  | VOLUME | 439463.159 | 3748879.351 | 157.760 |
| LOCATION VOL5  | VOLUME | 439391.051 | 3748849.183 | 160.760 |
| LOCATION VOL6  | VOLUME | 439538.210 | 3748941.894 | 153.630 |
| LOCATION VOL7  | VOLUME | 439791.324 | 3748855.070 | 157.420 |
| LOCATION VOL8  | VOLUME | 439711.122 | 3748854.334 | 157.470 |
| LOCATION VOL9  | VOLUME | 439633.128 | 3748853.598 | 157.760 |
| LOCATION VOL10 | VOLUME | 439551.455 | 3748852.127 | 158.730 |
| LOCATION VOL11 | VOLUME | 439793.532 | 3748775.604 | 163.250 |
| LOCATION VOL12 | VOLUME | 439712.594 | 3748774.868 | 161.370 |
| LOCATION VOL13 | VOLUME | 439632.392 | 3748774.132 | 162.310 |
| LOCATION VOL14 | VOLUME | 439552.190 | 3748773.396 | 163.870 |
| LOCATION VOL15 | VOLUME | 439471.989 | 3748772.661 | 162.240 |
| LOCATION VOL16 | VOLUME | 439391.051 | 3748771.925 | 164.850 |
| LOCATION VOL17 | VOLUME | 439310.849 | 3748769.717 | 165.560 |
| LOCATION VOL18 | VOLUME | 439121.750 | 3748688.044 | 178.040 |
| LOCATION VOL19 | VOLUME | 439202.687 | 3748688.044 | 176.120 |
| LOCATION VOL20 | VOLUME | 439283.625 | 3748689.516 | 171.580 |

|                |        |            |             |         |
|----------------|--------|------------|-------------|---------|
| LOCATION VOL21 | VOLUME | 439365.298 | 3748690.251 | 170.660 |
| LOCATION VOL22 | VOLUME | 439446.972 | 3748692.459 | 169.250 |
| LOCATION VOL23 | VOLUME | 439528.645 | 3748693.930 | 171.250 |
| LOCATION VOL24 | VOLUME | 439610.318 | 3748694.666 | 167.770 |
| LOCATION VOL25 | VOLUME | 439691.992 | 3748693.195 | 166.370 |
| LOCATION VOL26 | VOLUME | 439772.929 | 3748693.195 | 175.080 |
| LOCATION VOL27 | VOLUME | 439822.963 | 3748612.993 | 188.660 |
| LOCATION VOL28 | VOLUME | 439743.497 | 3748613.729 | 173.330 |
| LOCATION VOL29 | VOLUME | 439662.560 | 3748612.993 | 177.500 |
| LOCATION VOL30 | VOLUME | 439583.094 | 3748613.729 | 177.610 |
| LOCATION VOL31 | VOLUME | 439502.156 | 3748613.729 | 180.210 |
| LOCATION VOL32 | VOLUME | 439421.219 | 3748612.993 | 175.050 |
| LOCATION VOL33 | VOLUME | 439341.753 | 3748613.729 | 180.220 |
| LOCATION VOL34 | VOLUME | 439260.815 | 3748613.729 | 185.530 |
| LOCATION VOL35 | VOLUME | 439180.613 | 3748611.521 | 196.860 |
| LOCATION VOL36 | VOLUME | 439132.787 | 3748609.314 | 188.370 |
| LOCATION VOL37 | VOLUME | 439132.051 | 3748527.640 | 198.180 |
| LOCATION VOL38 | VOLUME | 439212.988 | 3748528.376 | 207.120 |
| LOCATION VOL39 | VOLUME | 439291.719 | 3748530.584 | 210.020 |
| LOCATION VOL40 | VOLUME | 439372.656 | 3748531.319 | 192.510 |
| LOCATION VOL41 | VOLUME | 439453.594 | 3748530.584 | 191.060 |
| LOCATION VOL42 | VOLUME | 439535.267 | 3748532.791 | 202.180 |
| LOCATION VOL43 | VOLUME | 439616.205 | 3748533.527 | 177.120 |
| LOCATION VOL44 | VOLUME | 439697.142 | 3748532.791 | 199.900 |
| LOCATION VOL45 | VOLUME | 439778.080 | 3748534.998 | 179.030 |
| LOCATION VOL46 | VOLUME | 439821.492 | 3748532.055 | 188.360 |
| LOCATION VOL48 | VOLUME | 439213.724 | 3748448.174 | 212.290 |
| LOCATION VOL49 | VOLUME | 439293.926 | 3748449.646 | 227.840 |
| LOCATION VOL50 | VOLUME | 439373.392 | 3748451.118 | 194.220 |
| LOCATION VOL51 | VOLUME | 439452.858 | 3748449.646 | 203.050 |
| LOCATION VOL52 | VOLUME | 439534.531 | 3748451.118 | 218.960 |
| LOCATION VOL53 | VOLUME | 439614.733 | 3748453.325 | 186.120 |
| LOCATION VOL54 | VOLUME | 439696.407 | 3748454.797 | 204.900 |
| LOCATION VOL55 | VOLUME | 439780.287 | 3748453.325 | 199.550 |
| LOCATION VOL58 | VOLUME | 439290.247 | 3748369.444 | 229.260 |
| LOCATION VOL59 | VOLUME | 439370.449 | 3748369.444 | 199.150 |
| LOCATION VOL60 | VOLUME | 439451.386 | 3748370.916 | 231.160 |
| LOCATION VOL61 | VOLUME | 439533.796 | 3748370.916 | 220.080 |
| LOCATION VOL62 | VOLUME | 439613.997 | 3748373.123 | 193.690 |
| LOCATION VOL63 | VOLUME | 439693.463 | 3748374.595 | 208.120 |

\*\* Source Parameters \*\*

|               |              |       |        |       |
|---------------|--------------|-------|--------|-------|
| SRCPARAM VOL1 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL2 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL3 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL4 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL5 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL6 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL7 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL8 | 0.0011352409 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL9 | 0.0011352409 | 5.000 | 18.651 | 1.400 |



[illegible]

SRCPARAM VOL63            0.0011352409        5.000        18.651        1.400  
URBANSRC ALL

\*\* Variable Emissions Type: "By Hour / Day (HRDOW)"

\*\* Variable Emission Scenario: "Scenario 1"

\*\* WeekDays:

|               |       |     |     |     |     |     |     |
|---------------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT VOL1 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* Saturday:

|               |       |     |     |     |     |     |     |
|---------------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* Sunday:

|               |       |     |     |     |     |     |     |
|---------------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL1 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* WeekDays:

|               |       |     |     |     |     |     |     |
|---------------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT VOL2 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* Saturday:

|               |       |     |     |     |     |     |     |
|---------------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* Sunday:

|               |       |     |     |     |     |     |     |
|---------------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL2 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* WeekDays:

|               |       |     |     |     |     |     |     |
|---------------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT VOL3 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL3 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT VOL3 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT VOL3 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* Saturday:

|               |       |     |     |     |     |     |     |
|---------------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT VOL3 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL3 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL3 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL3 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

\*\* Sunday:

|               |       |     |     |     |     |     |     |
|---------------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT VOL3 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL3 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL3 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT VOL3 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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** WeekDays:
 EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL4 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
 EMISFACT VOL4 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
 EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
 EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
 EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
 EMISFACT VOL5 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL5 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
 EMISFACT VOL5 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
 EMISFACT VOL5 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
 EMISFACT VOL5 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL5 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL5 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL5 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
 EMISFACT VOL5 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL5 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL5 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL5 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
 EMISFACT VOL6 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL6 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
 EMISFACT VOL6 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
 EMISFACT VOL6 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
 EMISFACT VOL6 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL6 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL6 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL6 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
 EMISFACT VOL6 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL6 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL6 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL6 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
 EMISFACT VOL7 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL7 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
 EMISFACT VOL7 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
 EMISFACT VOL7 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

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** Saturday:
 EMISFACT VOL7 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL7 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL7 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL7 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
 EMISFACT VOL7 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL7 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL7 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL7 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
 EMISFACT VOL8 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL8 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
 EMISFACT VOL8 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
 EMISFACT VOL8 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
 EMISFACT VOL8 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL8 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL8 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL8 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
 EMISFACT VOL8 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL8 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL8 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL8 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
 EMISFACT VOL9 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL9 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
 EMISFACT VOL9 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
 EMISFACT VOL9 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
 EMISFACT VOL9 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL9 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL9 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL9 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
 EMISFACT VOL9 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL9 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL9 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL9 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
 EMISFACT VOL10 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL10 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
 EMISFACT VOL10 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
 EMISFACT VOL10 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
 EMISFACT VOL10 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL10 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL10 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL10 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

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[illegible]

[illegible]

[illegible]

[illegible]



|    |           |       |       |     |     |     |     |     |
|----|-----------|-------|-------|-----|-----|-----|-----|-----|
| ** | WeekDays: |       |       |     |     |     |     |     |
|    | EMISFACT  | VOL24 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL24 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT  | VOL24 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 |
|    | EMISFACT  | VOL24 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday: |       |       |     |     |     |     |     |
|    | EMISFACT  | VOL24 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL24 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL24 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL24 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:   |       |       |     |     |     |     |     |
|    | EMISFACT  | VOL24 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL24 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL24 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL24 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays: |       |       |     |     |     |     |     |
|    | EMISFACT  | VOL25 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL25 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT  | VOL25 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 |
|    | EMISFACT  | VOL25 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday: |       |       |     |     |     |     |     |
|    | EMISFACT  | VOL25 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL25 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL25 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL25 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:   |       |       |     |     |     |     |     |
|    | EMISFACT  | VOL25 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL25 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL25 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL25 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays: |       |       |     |     |     |     |     |
|    | EMISFACT  | VOL26 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL26 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT  | VOL26 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 |
|    | EMISFACT  | VOL26 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Saturday: |       |       |     |     |     |     |     |
|    | EMISFACT  | VOL26 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL26 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL26 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL26 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | Sunday:   |       |       |     |     |     |     |     |
|    | EMISFACT  | VOL26 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL26 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL26 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL26 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ** | WeekDays: |       |       |     |     |     |     |     |
|    | EMISFACT  | VOL27 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|    | EMISFACT  | VOL27 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 |
|    | EMISFACT  | VOL27 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 |
|    | EMISFACT  | VOL27 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]



[illegible]

[illegible]

[illegible]

```
** 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
 SRCGROUP ALL
```

SO FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Receptor Pathway

\*\*\*\*\*

\*\*

\*\*

RE STARTING

INCLUDED "12630 Ops PM10.rou"

RE FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Meteorology Pathway

\*\*\*\*\*

\*\*

\*\*

ME STARTING

SURFFILE KRAL\_V9\_ADJU\KRAL\_v9.SFC

PROFFILE KRAL\_V9\_ADJU\KRAL\_v9.PFL

SURFDATA 3171 2012

UAIRDATA 3190 2012

PROFBASE 245.0 METERS

ME FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Output Pathway

\*\*\*\*\*

\*\*

\*\*

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 24 1ST

\*\* Auto-Generated Plotfiles

PLOTFILE 24 ALL 1ST "12630 OPS PM10.AD\24H1GALL.PLT" 31

SUMMFILE "12630 Ops PM10.sum"

OU FINISHED

\*\*\* Message Summary For AERMOD Model Setup \*\*\*

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)

A Total of 2 Warning Message(s)

A Total of 0 Informational Message(s)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*  
\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
ME W186 1085 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used  
0.50  
ME W187 1085 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*  
\*\*\* SETUP Finishes Successfully \*\*\*  
\*\*\*\*\*

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Green River Ranch\12630 0 \*\*\* 06/11/24  
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\*\*\* 10:48:10

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* MODEL SETUP OPTIONS SUMMARY

\*\*\*

---  
\*\* Model Options Selected:

- \* Model Uses Regulatory DEFAULT Options
- \* Model Is Setup For Calculation of Average CONCentration Values.
- \* NO GAS DEPOSITION Data Provided.
- \* NO PARTICLE DEPOSITION Data Provided.
- \* Model Uses NO DRY DEPLETION. DDPLETE = F
- \* Model Uses NO WET DEPLETION. WETDPLT = F
- \* Stack-tip Downwash.
- \* Model Accounts for ELEVated Terrain Effects.
- \* Use Calms Processing Routine.
- \* Use Missing Data Processing Routine.
- \* No Exponential Decay.
- \* Model Uses URBAN Dispersion Algorithm for the SBL for 60 Source(s),  
for Total of 1 Urban Area(s):  
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- \* Urban Roughness Length of 1.0 Meter Used.
- \* ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET
- \* CCVR\_Sub - Meteorological data includes CCVR substitutions
- \* TEMP\_Sub - Meteorological data includes TEMP substitutions
- \* Model Accepts FLAGPOLE Receptor . Heights.

\* The User Specified a Pollutant Type of: PM<sub>10</sub>

\*\*Model Calculates 1 Short Term Average(s) of: 24-HR

\*\*This Run Includes: 60 Source(s); 1 Source Group(s); and 121 Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 60 VOLUME source(s)  
and: 0 AREA type source(s)  
and: 0 LINE source(s)  
and: 0 RLINE/RLINEXT source(s)  
and: 0 OPENPIT source(s)  
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)  
and: 0 SWPOINT source(s)

\*\*Model Set To Continue RUNNING After the Setup Testing.

\*\*The AERMET Input Meteorological Data Version Date: 16216

\*\*Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE  
Keyword)  
Model Outputs External File(s) of High Values for Plotting (PLOTFILE  
Keyword)  
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE  
Keyword)

\*\*NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours  
m for Missing  
Hours  
b for Both Calm  
and Missing Hours

\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 245.00 ; Decay  
Coef. = 0.000 ; Rot. Angle = 0.0  
Emission Units = GRAMS/SEC ;  
Emission Rate Unit Factor = 0.10000E+07  
Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 3.6 MB of RAM.

\*\*Input Runstream File: aermod.inp

\*\*Output Print File: aermod.out

\*\*Detailed Error/Message File: 12630 Ops PM10.err

\*\*File for Summary of Results: 12630 Ops PM10.sum

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

| INIT.    | URBAN  | NUMBER   | EMISSION | RATE     |          | BASE     | RELEASE  | INIT.    |
|----------|--------|----------|----------|----------|----------|----------|----------|----------|
| SZ       | SOURCE | EMISSION | RATE     | AIRCRAFT |          | ELEV.    | HEIGHT   | SY       |
| ID       | SOURCE | SCALAR   | VARY     | X        | Y        | (METERS) | (METERS) | (METERS) |
| (METERS) |        | CATS.    | BY       | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |

|       |     |       |             |          |           |       |      |       |
|-------|-----|-------|-------------|----------|-----------|-------|------|-------|
| VOL1  |     | 0     | 0.11352E-02 | 439309.7 | 3748858.4 | 161.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL2  |     | 0     | 0.11352E-02 | 439374.1 | 3748922.8 | 156.9 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL3  |     | 0     | 0.11352E-02 | 439455.8 | 3748932.3 | 154.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL4  |     | 0     | 0.11352E-02 | 439463.2 | 3748879.4 | 157.8 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL5  |     | 0     | 0.11352E-02 | 439391.1 | 3748849.2 | 160.8 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL6  |     | 0     | 0.11352E-02 | 439538.2 | 3748941.9 | 153.6 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL7  |     | 0     | 0.11352E-02 | 439791.3 | 3748855.1 | 157.4 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL8  |     | 0     | 0.11352E-02 | 439711.1 | 3748854.3 | 157.5 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL9  |     | 0     | 0.11352E-02 | 439633.1 | 3748853.6 | 157.8 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL10 |     | 0     | 0.11352E-02 | 439551.5 | 3748852.1 | 158.7 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL11 |     | 0     | 0.11352E-02 | 439793.5 | 3748775.6 | 163.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL12 |     | 0     | 0.11352E-02 | 439712.6 | 3748774.9 | 161.4 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL13 |     | 0     | 0.11352E-02 | 439632.4 | 3748774.1 | 162.3 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL14 |     | 0     | 0.11352E-02 | 439552.2 | 3748773.4 | 163.9 | 5.00 | 18.65 |

|       |     |       |             |          |           |       |      |       |
|-------|-----|-------|-------------|----------|-----------|-------|------|-------|
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL15 |     | 0     | 0.11352E-02 | 439472.0 | 3748772.7 | 162.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL16 |     | 0     | 0.11352E-02 | 439391.1 | 3748771.9 | 164.9 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL17 |     | 0     | 0.11352E-02 | 439310.8 | 3748769.7 | 165.6 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL18 |     | 0     | 0.11352E-02 | 439121.8 | 3748688.0 | 178.0 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL19 |     | 0     | 0.11352E-02 | 439202.7 | 3748688.0 | 176.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL20 |     | 0     | 0.11352E-02 | 439283.6 | 3748689.5 | 171.6 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL21 |     | 0     | 0.11352E-02 | 439365.3 | 3748690.3 | 170.7 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL22 |     | 0     | 0.11352E-02 | 439447.0 | 3748692.5 | 169.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL23 |     | 0     | 0.11352E-02 | 439528.6 | 3748693.9 | 171.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL24 |     | 0     | 0.11352E-02 | 439610.3 | 3748694.7 | 167.8 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL25 |     | 0     | 0.11352E-02 | 439692.0 | 3748693.2 | 166.4 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL26 |     | 0     | 0.11352E-02 | 439772.9 | 3748693.2 | 175.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL27 |     | 0     | 0.11352E-02 | 439823.0 | 3748613.0 | 188.7 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL28 |     | 0     | 0.11352E-02 | 439743.5 | 3748613.7 | 173.3 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL29 |     | 0     | 0.11352E-02 | 439662.6 | 3748613.0 | 177.5 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL30 |     | 0     | 0.11352E-02 | 439583.1 | 3748613.7 | 177.6 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL31 |     | 0     | 0.11352E-02 | 439502.2 | 3748613.7 | 180.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL32 |     | 0     | 0.11352E-02 | 439421.2 | 3748613.0 | 175.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL33 |     | 0     | 0.11352E-02 | 439341.8 | 3748613.7 | 180.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL34 |     | 0     | 0.11352E-02 | 439260.8 | 3748613.7 | 185.5 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL35 |     | 0     | 0.11352E-02 | 439180.6 | 3748611.5 | 196.9 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL36 |     | 0     | 0.11352E-02 | 439132.8 | 3748609.3 | 188.4 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL37 |     | 0     | 0.11352E-02 | 439132.1 | 3748527.6 | 198.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL38 |     | 0     | 0.11352E-02 | 439213.0 | 3748528.4 | 207.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL39 |     | 0     | 0.11352E-02 | 439291.7 | 3748530.6 | 210.0 | 5.00 | 18.65 |



1.40 YES HRDOW NO  
 VOL40 0 0.11352E-02 439372.7 3748531.3 192.5 5.00 18.65  
 1.40 YES HRDOW NO  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE     | BASE      | RELEASE  | INIT.      |
|----------|--------|----------|-------------|----------|-----------|----------|------------|
| INIT.    | URBAN  | EMISSION | RATE        | AIRCRAFT |           |          |            |
| SZ       | SOURCE | SCALAR   | VARY        | X        | Y         | ELEV.    | HEIGHT     |
| ID       | CATS.  |          |             | (METERS) | (METERS)  | (METERS) | (METERS)   |
| (METERS) |        | BY       |             |          |           |          |            |
| VOL41    |        | 0        | 0.11352E-02 | 439453.6 | 3748530.6 | 191.1    | 5.00 18.65 |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |            |
| VOL42    |        | 0        | 0.11352E-02 | 439535.3 | 3748532.8 | 202.2    | 5.00 18.65 |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |            |
| VOL43    |        | 0        | 0.11352E-02 | 439616.2 | 3748533.5 | 177.1    | 5.00 18.65 |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |            |
| VOL44    |        | 0        | 0.11352E-02 | 439697.1 | 3748532.8 | 199.9    | 5.00 18.65 |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |            |
| VOL45    |        | 0        | 0.11352E-02 | 439778.1 | 3748535.0 | 179.0    | 5.00 18.65 |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |            |
| VOL46    |        | 0        | 0.11352E-02 | 439821.5 | 3748532.1 | 188.4    | 5.00 18.65 |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |            |
| VOL48    |        | 0        | 0.11352E-02 | 439213.7 | 3748448.2 | 212.3    | 5.00 18.65 |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |            |
| VOL49    |        | 0        | 0.11352E-02 | 439293.9 | 3748449.6 | 227.8    | 5.00 18.65 |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |            |
| VOL50    |        | 0        | 0.11352E-02 | 439373.4 | 3748451.1 | 194.2    | 5.00 18.65 |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |            |
| VOL51    |        | 0        | 0.11352E-02 | 439452.9 | 3748449.6 | 203.1    | 5.00 18.65 |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |            |
| VOL52    |        | 0        | 0.11352E-02 | 439534.5 | 3748451.1 | 219.0    | 5.00 18.65 |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |            |
| VOL53    |        | 0        | 0.11352E-02 | 439614.7 | 3748453.3 | 186.1    | 5.00 18.65 |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |            |
| VOL54    |        | 0        | 0.11352E-02 | 439696.4 | 3748454.8 | 204.9    | 5.00 18.65 |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |            |
| VOL55    |        | 0        | 0.11352E-02 | 439780.3 | 3748453.3 | 199.6    | 5.00 18.65 |

|       |     |       |             |          |           |       |      |       |
|-------|-----|-------|-------------|----------|-----------|-------|------|-------|
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL58 |     | 0     | 0.11352E-02 | 439290.2 | 3748369.4 | 229.3 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL59 |     | 0     | 0.11352E-02 | 439370.4 | 3748369.4 | 199.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL60 |     | 0     | 0.11352E-02 | 439451.4 | 3748370.9 | 231.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL61 |     | 0     | 0.11352E-02 | 439533.8 | 3748370.9 | 220.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL62 |     | 0     | 0.11352E-02 | 439614.0 | 3748373.1 | 193.7 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL63 |     | 0     | 0.11352E-02 | 439693.5 | 3748374.6 | 208.1 | 5.00 | 18.65 |

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

| SRCGROUP ID |         | SOURCE IDs |         |         |         |   |
|-------------|---------|------------|---------|---------|---------|---|
| -----       |         | -----      |         |         |         |   |
| ALL         | VOL1    | , VOL2     | , VOL3  | , VOL4  | , VOL5  | , |
| VOL6        | , VOL7  | , VOL8     | ,       |         |         |   |
|             | VOL9    | , VOL10    | , VOL11 | , VOL12 | , VOL13 | , |
| VOL14       | , VOL15 | , VOL16    | ,       |         |         |   |
|             | VOL17   | , VOL18    | , VOL19 | , VOL20 | , VOL21 | , |
| VOL22       | , VOL23 | , VOL24    | ,       |         |         |   |
|             | VOL25   | , VOL26    | , VOL27 | , VOL28 | , VOL29 | , |
| VOL30       | , VOL31 | , VOL32    | ,       |         |         |   |
|             | VOL33   | , VOL34    | , VOL35 | , VOL36 | , VOL37 | , |
| VOL38       | , VOL39 | , VOL40    | ,       |         |         |   |
|             | VOL41   | , VOL42    | , VOL43 | , VOL44 | , VOL45 | , |
| VOL46       | , VOL48 | , VOL49    | ,       |         |         |   |
|             | VOL50   | , VOL51    | , VOL52 | , VOL53 | , VOL54 | , |
| VOL55       | , VOL58 | , VOL59    | ,       |         |         |   |

VOL60 , VOL61 , VOL62 , VOL63 ,  
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 \*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES  
 \*\*\*

| URBAN ID | URBAN POP                               | SOURCE IDs                  |
|----------|-----------------------------------------|-----------------------------|
| -----    | -----                                   | -----                       |
| VOL5     | 2189641.                                | VOL1 , VOL2 , VOL3 , VOL4 , |
| VOL8     | , VOL6                                  | , VOL7 ,                    |
|          | ,                                       |                             |
| VOL14    | VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  |                             |
|          | , VOL15 , VOL16 ,                       |                             |
| VOL22    | VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , |                             |
|          | , VOL23 , VOL24 ,                       |                             |
| VOL30    | VOL25 , VOL26 , VOL27 , VOL28 , VOL29 , |                             |
|          | , VOL31 , VOL32 ,                       |                             |
| VOL38    | VOL33 , VOL34 , VOL35 , VOL36 , VOL37 , |                             |
|          | , VOL39 , VOL40 ,                       |                             |
| VOL46    | VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , |                             |
|          | , VOL48 , VOL49 ,                       |                             |
| VOL55    | VOL50 , VOL51 , VOL52 , VOL53 , VOL54 , |                             |
|          | , VOL58 , VOL59 ,                       |                             |

VOL60 , VOL61 , VOL62 , VOL63 ,  
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 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
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 \*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

```

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

```

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .1000E+01 | 10   | .1000E+01 | 11   | .1000E+01 | 12   | .1000E+01 | 13   | .1000E+01 |
| 14   | .1000E+01 | 15   | .1000E+01 | 16   | .1000E+01 |      |           |      |           |
| 17   | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 | 21   | .0000E+00 |
| 22   | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |      |           |

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |

22 .0000E+00 23 .0000E+00 24 .0000E+00  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 - - - - -  
 - - - - -  
 DAY OF WEEK = WEEKDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
 14 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00  
 DAY OF WEEK = SATURDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00  
 DAY OF WEEK = SUNDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|------|--------|------|--------|------|--------|------|--------|------|--------|
| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |      |        |      |        |
| -    | -      | -    | -      | -    | -      | -    | -      | -    | -      |
| -    | -      | -    | -      | -    | -      | -    | -      | -    | -      |

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL6                      ; SOURCE TYPE = VOLUME                      :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|------|--------|------|--------|------|--------|------|--------|------|--------|
| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |      |        |      |        |
| -    | -      | -    | -      | -    | -      | -    | -      | -    | -      |
| -    | -      | -    | -      | -    | -      | -    | -      | -    | -      |

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|   |           |   |           |   |           |   |           |   |           |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|





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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR  
- - - - -  
DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00  
DAY OF WEEK = SATURDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00  
DAY OF WEEK = SUNDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

```

- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***

10:48:10

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -

```

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DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

```

14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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Green River Ranch\12630 0 \*\*\* 06/11/24

\*\*\* AERMET - VERSION 16216 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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Green River Ranch\12630 0 \*\*\* 06/11/24

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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Green River Ranch\12630 0 \*\*\* 06/11/24

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 - - - - -

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* 10:48:10

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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Green River Ranch\12630 0 \*\*\* 06/11/24

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* 10:48:10

\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 | 9    | .1000E+01 | 10   | .1000E+01 |
| 11   | .1000E+01 | 12   | .1000E+01 | 13   | .1000E+01 | 14   | .1000E+01 | 15   | .1000E+01 |
| 16   | .1000E+01 | 17   | .0000E+00 | 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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 | 9    | .0000E+00 | 10   | .0000E+00 |
| 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 | 14   | .0000E+00 | 15   | .0000E+00 |
| 16   | .0000E+00 | 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 | 9    | .0000E+00 | 10   | .0000E+00 |
| 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 | 14   | .0000E+00 | 15   | .0000E+00 |
| 16   | .0000E+00 | 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 | 9    | .0000E+00 | 10   | .0000E+00 |
| 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 | 14   | .0000E+00 | 15   | .0000E+00 |
| 16   | .0000E+00 | 17   | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 |
| 21   | .0000E+00 | 22   | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*  
 Green River Ranch\12630 0 \*\*\*  
 \*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 06/11/24  
 10:48:10

\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
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*** 10:48:10

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ   U\*

| SOURCE ID = VOL18 |        |      |        | ; SOURCE TYPE = VOLUME |        | :    |        |      |        |
|-------------------|--------|------|--------|------------------------|--------|------|--------|------|--------|
| HOUR              | SCALAR | HOUR | SCALAR | HOUR                   | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
| HOUR              | SCALAR | HOUR | SCALAR | HOUR                   | SCALAR |      |        |      |        |

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY



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1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:48:10

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

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SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:48:10

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:48:10

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01

```

14 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:48:10

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 - - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
 14 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00

```

 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:48:10

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:48:10

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) \*

```
SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
- - - - - DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
- - - - - DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:48:10
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```
SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
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22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:48:10

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00

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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
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:48:10

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:48:10

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*





|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*      06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                                  \*\*\*      10:48:10

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\*\*\* MODELOPTs:      RegDFault    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL30                      ; SOURCE TYPE = VOLUME                      :  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR

- - - - -  
 - - - - -

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

^ \*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*      06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                                  \*\*\*      10:48:10

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL31                      ; SOURCE TYPE = VOLUME      :  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR  
 - - - - -  
 - - - - -  
                                  DAY OF WEEK = WEEKDAY  
       1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00  
 6 .0000E+00    7 .0000E+00    8 .0000E+00  
       9 .1000E+01    10 .1000E+01    11 .1000E+01    12 .1000E+01    13 .1000E+01  
 14 .1000E+01    15 .1000E+01    16 .1000E+01  
       17 .0000E+00    18 .0000E+00    19 .0000E+00    20 .0000E+00    21 .0000E+00  
 22 .0000E+00    23 .0000E+00    24 .0000E+00  
                                  DAY OF WEEK = SATURDAY  
       1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00  
 6 .0000E+00    7 .0000E+00    8 .0000E+00  
       9 .0000E+00    10 .0000E+00    11 .0000E+00    12 .0000E+00    13 .0000E+00  
 14 .0000E+00    15 .0000E+00    16 .0000E+00  
       17 .0000E+00    18 .0000E+00    19 .0000E+00    20 .0000E+00    21 .0000E+00  
 22 .0000E+00    23 .0000E+00    24 .0000E+00  
                                  DAY OF WEEK = SUNDAY  
       1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00  
 6 .0000E+00    7 .0000E+00    8 .0000E+00  
       9 .0000E+00    10 .0000E+00    11 .0000E+00    12 .0000E+00    13 .0000E+00  
 14 .0000E+00    15 .0000E+00    16 .0000E+00  
       17 .0000E+00    18 .0000E+00    19 .0000E+00    20 .0000E+00    21 .0000E+00  
 22 .0000E+00    23 .0000E+00    24 .0000E+00

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL32                      ; SOURCE TYPE = VOLUME      :  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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\*\*\* MODELOPTs:      RegDEFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL34                      ; SOURCE TYPE = VOLUME                      :  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR

- - - - -  
 - - - - -

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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- - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

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SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -

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 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

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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 FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* AERMET - VERSION 16216 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

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DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

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DAY OF WEEK = WEEKDAY



|    |           |           |           |           |           |           |           |           |           |           |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1  | .0000E+00 | 2         | .0000E+00 | 3         | .0000E+00 | 4         | .0000E+00 | 5         | .0000E+00 |           |
| 6  | .0000E+00 | 7         | .0000E+00 | 8         | .0000E+00 |           |           |           |           |           |
|    | 9         | .1000E+01 | 10        | .1000E+01 | 11        | .1000E+01 | 12        | .1000E+01 | 13        | .1000E+01 |
| 14 | .1000E+01 | 15        | .1000E+01 | 16        | .1000E+01 |           |           |           |           |           |
|    | 17        | .0000E+00 | 18        | .0000E+00 | 19        | .0000E+00 | 20        | .0000E+00 | 21        | .0000E+00 |
| 22 | .0000E+00 | 23        | .0000E+00 | 24        | .0000E+00 |           |           |           |           |           |

DAY OF WEEK = SATURDAY

|    |           |           |           |           |           |           |           |           |           |           |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1  | .0000E+00 | 2         | .0000E+00 | 3         | .0000E+00 | 4         | .0000E+00 | 5         | .0000E+00 |           |
| 6  | .0000E+00 | 7         | .0000E+00 | 8         | .0000E+00 |           |           |           |           |           |
|    | 9         | .0000E+00 | 10        | .0000E+00 | 11        | .0000E+00 | 12        | .0000E+00 | 13        | .0000E+00 |
| 14 | .0000E+00 | 15        | .0000E+00 | 16        | .0000E+00 |           |           |           |           |           |
|    | 17        | .0000E+00 | 18        | .0000E+00 | 19        | .0000E+00 | 20        | .0000E+00 | 21        | .0000E+00 |
| 22 | .0000E+00 | 23        | .0000E+00 | 24        | .0000E+00 |           |           |           |           |           |

DAY OF WEEK = SUNDAY

|    |           |           |           |           |           |           |           |           |           |           |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1  | .0000E+00 | 2         | .0000E+00 | 3         | .0000E+00 | 4         | .0000E+00 | 5         | .0000E+00 |           |
| 6  | .0000E+00 | 7         | .0000E+00 | 8         | .0000E+00 |           |           |           |           |           |
|    | 9         | .0000E+00 | 10        | .0000E+00 | 11        | .0000E+00 | 12        | .0000E+00 | 13        | .0000E+00 |
| 14 | .0000E+00 | 15        | .0000E+00 | 16        | .0000E+00 |           |           |           |           |           |
|    | 17        | .0000E+00 | 18        | .0000E+00 | 19        | .0000E+00 | 20        | .0000E+00 | 21        | .0000E+00 |
| 22 | .0000E+00 | 23        | .0000E+00 | 24        | .0000E+00 |           |           |           |           |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*      06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
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\*\*\* MODELOPTs:    RegDFAULT   CONC   ELEV   FLGPOL   URBAN   ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

|                   |        |      |        |                        |        |      |        |      |        |
|-------------------|--------|------|--------|------------------------|--------|------|--------|------|--------|
| SOURCE ID = VOL41 |        |      |        | ; SOURCE TYPE = VOLUME |        |      |        |      |        |
| HOUR              | SCALAR | HOUR | SCALAR | HOUR                   | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
| HOUR              | SCALAR | HOUR | SCALAR | HOUR                   | SCALAR |      |        |      |        |
| - - - - -         |        |      |        |                        |        |      |        |      |        |
| - - - - -         |        |      |        |                        |        |      |        |      |        |

DAY OF WEEK = WEEKDAY

|    |           |           |           |           |           |           |           |           |           |           |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1  | .0000E+00 | 2         | .0000E+00 | 3         | .0000E+00 | 4         | .0000E+00 | 5         | .0000E+00 |           |
| 6  | .0000E+00 | 7         | .0000E+00 | 8         | .0000E+00 |           |           |           |           |           |
|    | 9         | .1000E+01 | 10        | .1000E+01 | 11        | .1000E+01 | 12        | .1000E+01 | 13        | .1000E+01 |
| 14 | .1000E+01 | 15        | .1000E+01 | 16        | .1000E+01 |           |           |           |           |           |
|    | 17        | .0000E+00 | 18        | .0000E+00 | 19        | .0000E+00 | 20        | .0000E+00 | 21        | .0000E+00 |
| 22 | .0000E+00 | 23        | .0000E+00 | 24        | .0000E+00 |           |           |           |           |           |

DAY OF WEEK = SATURDAY

|    |           |           |           |           |           |           |           |           |           |           |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1  | .0000E+00 | 2         | .0000E+00 | 3         | .0000E+00 | 4         | .0000E+00 | 5         | .0000E+00 |           |
| 6  | .0000E+00 | 7         | .0000E+00 | 8         | .0000E+00 |           |           |           |           |           |
|    | 9         | .0000E+00 | 10        | .0000E+00 | 11        | .0000E+00 | 12        | .0000E+00 | 13        | .0000E+00 |
| 14 | .0000E+00 | 15        | .0000E+00 | 16        | .0000E+00 |           |           |           |           |           |
|    | 17        | .0000E+00 | 18        | .0000E+00 | 19        | .0000E+00 | 20        | .0000E+00 | 21        | .0000E+00 |
| 22 | .0000E+00 | 23        | .0000E+00 | 24        | .0000E+00 |           |           |           |           |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*  
 Green River Ranch\12630 0 \*\*\*  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*  
 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 06/11/24  
 10:48:10

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL42 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .1000E+01 | 10   | .1000E+01 | 11   | .1000E+01 | 12   | .1000E+01 | 13   | .1000E+01 |
| 14   | .1000E+01 | 15   | .1000E+01 | 16   | .1000E+01 |      |           |      |           |
| 17   | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 | 21   | .0000E+00 |
| 22   | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |      |           |

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*  
 Green River Ranch\12630 0 \*\*\*  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
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 10:48:10

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

|   |           |   |           |   |           |   |           |   |           |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 |
| 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |   |           |   |           |

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*      06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
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\*\*\* MODELOPTs:    RegDFault   CONC   ELEV   FLGPOL   URBAN   ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL45                    ; SOURCE TYPE = VOLUME                    :  
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR  
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR  
 - - - - -  
 - - - - -

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|   |           |   |           |   |           |   |           |   |           |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|

```
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:48:10
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

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SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:48:10
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

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SOURCE ID = VOL48 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
- - - - - DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
- - - - - DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:48:10

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

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SOURCE ID = VOL49 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:48:10

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL50 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

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14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:48:10

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

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SOURCE ID = 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
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:48:10

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*



SOURCE ID = VOL52 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .1000E+01 | 10   | .1000E+01 | 11   | .1000E+01 | 12   | .1000E+01 | 13   | .1000E+01 |
| 14   | .1000E+01 | 15   | .1000E+01 | 16   | .1000E+01 |      |           |      |           |
| 17   | .0000E+00 | 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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14   | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14   | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14   | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17   | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 | 21   | .0000E+00 |
| 22   | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |      |           |

\*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:48:10

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL53 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .1000E+01 | 10   | .1000E+01 | 11   | .1000E+01 | 12   | .1000E+01 | 13   | .1000E+01 |
| 14   | .1000E+01 | 15   | .1000E+01 | 16   | .1000E+01 |      |           |      |           |
| 17   | .0000E+00 | 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

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24

\*\*\* AERMET - VERSION 16216 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL54 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .1000E+01 | 10   | .1000E+01 | 11   | .1000E+01 | 12   | .1000E+01 | 13   | .1000E+01 |
| 14   | .1000E+01 | 15   | .1000E+01 | 16   | .1000E+01 |      |           |      |           |
| 17   | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 | 21   | .0000E+00 |
| 22   | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |      |           |

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |

22 .0000E+00 23 .0000E+00 24 .0000E+00  
 \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:48:10

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL55 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 - - - - -  
 - - - - -  
 DAY OF WEEK = WEEKDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
 14 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00  
 DAY OF WEEK = SATURDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00  
 DAY OF WEEK = SUNDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00  
 \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:48:10

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*      06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                                          \*\*\*      10:48:10

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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    FLGPOL    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 |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|



Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL61 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR  
- - - - -  
DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00  
DAY OF WEEK = SATURDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00  
DAY OF WEEK = SUNDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL62 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL63 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -

```

```

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

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14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
(METERS)

( 439260.0, 3749072.6, 149.6, 1142.1, 2.0); ( 439277.6,  
3749070.7, 149.3, 1142.1, 2.0);  
( 439298.4, 3749082.1, 148.2, 1142.1, 2.0); ( 439312.1,  
3749091.1, 147.4, 1142.1, 2.0);  
( 439321.9, 3749098.5, 146.8, 1142.1, 2.0); ( 439240.7,  
3749074.7, 149.8, 1142.1, 2.0);  
( 439217.6, 3749084.1, 149.2, 1142.1, 2.0); ( 439205.3,  
3749089.8, 148.8, 1142.1, 2.0);  
( 439192.1, 3749096.3, 148.3, 1142.1, 2.0); ( 439179.5,  
3749103.1, 147.9, 1142.1, 2.0);  
( 439169.9, 3749108.1, 147.6, 1142.1, 2.0); ( 439157.1,  
3749113.7, 147.2, 1142.1, 2.0);  
( 439137.6, 3749079.0, 150.0, 1142.1, 2.0); ( 439113.3,  
3749079.2, 150.5, 1142.1, 2.0);  
( 439099.8, 3749078.8, 150.5, 1142.1, 2.0); ( 439085.4,  
3749079.0, 150.6, 1142.1, 2.0);  
( 439071.9, 3749078.8, 150.9, 1142.1, 2.0); ( 439045.6,  
3749077.6, 152.1, 1142.1, 2.0);  
( 438992.4, 3749075.4, 153.1, 1142.1, 2.0); ( 438978.2,  
3749072.7, 153.3, 1142.1, 2.0);  
( 438963.0, 3749071.1, 153.5, 1142.1, 2.0); ( 438947.1,  
3749069.1, 153.6, 1142.1, 2.0);  
( 438932.4, 3749067.4, 153.6, 1142.1, 2.0); ( 438917.5,  
3749065.3, 153.7, 1142.1, 2.0);  
( 438902.8, 3749063.1, 153.6, 1142.1, 2.0); ( 438888.1,  
3749060.2, 153.2, 1142.1, 2.0);  
( 438870.8, 3749057.6, 153.0, 1142.1, 2.0); ( 438854.9,  
3749058.0, 153.0, 1142.1, 2.0);



|                                       |       |             |
|---------------------------------------|-------|-------------|
| ( 438838.0, 3749060.2, 153.3, 1142.1, | 2.0); | ( 438779.5, |
| 3749017.8, 155.3, 1142.1, 2.0);       |       |             |
| ( 438784.5, 3749046.0, 155.3, 1142.1, | 2.0); | ( 438762.9, |
| 3749004.6, 155.4, 1142.1, 2.0);       |       |             |
| ( 438815.8, 3749066.2, 153.8, 1142.1, | 2.0); | ( 439042.5, |
| 3748895.5, 160.7, 1142.1, 2.0);       |       |             |
| ( 439038.5, 3748865.8, 163.8, 1142.1, | 2.0); | ( 438999.1, |
| 3748811.4, 169.3, 1142.1, 2.0);       |       |             |
| ( 438921.2, 3748750.7, 169.3, 1142.1, | 2.0); | ( 438794.0, |
| 3748719.9, 136.3, 1142.1, 2.0);       |       |             |
| ( 438730.9, 3748880.7, 139.1, 1142.1, | 2.0); | ( 438748.5, |
| 3748863.0, 139.0, 1142.1, 2.0);       |       |             |
| ( 438764.6, 3748843.8, 139.2, 1142.1, | 2.0); | ( 438785.5, |
| 3748816.7, 136.1, 1142.1, 2.0);       |       |             |
| ( 438805.1, 3748788.0, 136.7, 1142.1, | 2.0); | ( 438803.2, |
| 3748750.8, 136.5, 1142.1, 2.0);       |       |             |
| ( 438788.4, 3748703.2, 136.7, 1142.1, | 2.0); | ( 438780.5, |
| 3748674.0, 136.6, 1142.1, 2.0);       |       |             |
| ( 438768.9, 3748645.4, 136.5, 1142.1, | 2.0); | ( 438751.6, |
| 3748620.5, 135.7, 1142.1, 2.0);       |       |             |
| ( 438730.3, 3748595.8, 135.0, 1142.1, | 2.0); | ( 438712.2, |
| 3748572.0, 133.7, 1142.1, 2.0);       |       |             |
| ( 438693.5, 3748548.8, 131.9, 1142.1, | 2.0); | ( 438676.8, |
| 3748525.0, 131.1, 1142.1, 2.0);       |       |             |
| ( 438655.8, 3748497.8, 131.0, 1142.1, | 2.0); | ( 438639.1, |
| 3748475.7, 131.4, 1142.1, 2.0);       |       |             |
| ( 438619.5, 3748452.5, 131.5, 1142.1, | 2.0); | ( 438600.3, |
| 3748429.8, 131.6, 1142.1, 2.0);       |       |             |
| ( 438580.7, 3748404.6, 131.1, 1142.1, | 2.0); | ( 438561.4, |
| 3748384.2, 131.1, 1142.1, 2.0);       |       |             |
| ( 438540.8, 3748363.8, 131.1, 1142.1, | 2.0); | ( 438520.9, |
| 3748341.1, 131.1, 1142.1, 2.0);       |       |             |
| ( 438500.0, 3748320.4, 130.5, 1142.1, | 2.0); | ( 438735.7, |
| 3748992.6, 156.9, 1142.1, 2.0);       |       |             |
| ( 438675.3, 3748985.1, 148.4, 1142.1, | 2.0); | ( 439331.0, |
| 3749107.6, 146.2, 1142.1, 2.0);       |       |             |
| ( 439341.9, 3749117.1, 145.5, 1142.1, | 2.0); | ( 439353.6, |
| 3749127.3, 144.5, 1142.1, 2.0);       |       |             |
| ( 439366.1, 3749137.4, 143.4, 1142.1, | 2.0); | ( 439375.7, |
| 3749143.9, 142.6, 1142.1, 2.0);       |       |             |
| ( 439388.4, 3749153.5, 141.3, 1142.1, | 2.0); | ( 439400.5, |
| 3749162.1, 140.2, 1142.1, 2.0);       |       |             |
| ( 439413.6, 3749169.9, 139.5, 1142.1, | 2.0); | ( 439425.7, |
| 3749178.1, 138.9, 1142.1, 2.0);       |       |             |
| ( 439449.6, 3749192.9, 138.5, 1142.1, | 2.0); | ( 439473.0, |
| 3749214.4, 138.5, 1142.1, 2.0);       |       |             |
| ( 439800.8, 3749040.5, 147.5, 1142.1, | 2.0); | ( 439873.8, |
| 3748887.4, 156.3, 1142.1, 2.0);       |       |             |
| ( 439887.6, 3748802.5, 161.9, 1142.1, | 2.0); | ( 440077.8, |
| 3748740.2, 180.5, 1142.1, 2.0);       |       |             |

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(440019.2, 3748682.1, 178.2, 1142.1, 2.0); (439929.6,
3748601.8, 215.7, 1142.1, 2.0);
(439955.0, 3748605.9, 216.9, 1142.1, 2.0); (439983.2,
3748614.2, 213.8, 1142.1, 2.0);
(440006.2, 3748617.4, 211.2, 1142.1, 2.0); (440071.3,
3748624.4, 201.1, 1142.1, 2.0);
(440087.9, 3748639.6, 190.9, 1142.1, 2.0); (440117.0,
3748767.0, 190.4, 1142.1, 2.0);
(439940.2, 3748575.0, 215.8, 1142.1, 2.0); (439996.1,
3748506.2, 215.9, 1142.1, 2.0);
(440023.3, 3748475.8, 213.2, 1142.1, 2.0); (440043.2,
3748463.8, 217.3, 1142.1, 2.0);
▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:48:10

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
(METERS)

```

(440054.7, 3748448.5, 218.5, 1142.1, 2.0); (440063.5,
3748429.6, 219.1, 1142.1, 2.0);
(440072.3, 3748414.8, 221.0, 1142.1, 2.0); (440083.8,
3748396.4, 222.7, 1142.1, 2.0);
(440096.3, 3748378.8, 225.5, 1142.1, 2.0); (440105.1,
3748361.8, 227.1, 1142.1, 2.0);
(440106.9, 3748342.8, 226.4, 1142.1, 2.0); (440120.8,
3748318.8, 231.8, 1142.1, 2.0);
(440122.7, 3748286.9, 233.8, 1142.1, 2.0); (440117.3,
3748252.6, 235.6, 1142.1, 2.0);
(440121.3, 3748218.1, 241.7, 1142.1, 2.0); (440128.1,
3748298.0, 235.1, 1142.1, 2.0);
(440266.3, 3748117.4, 245.8, 1142.1, 2.0); (440165.5,
3747898.5, 272.1, 1142.1, 2.0);
(440191.3, 3747915.0, 264.6, 1142.1, 2.0); (440206.6,
3747939.3, 273.8, 1142.1, 2.0);
(440247.4, 3747944.8, 263.2, 1142.1, 2.0); (440266.7,
3747950.7, 259.8, 1142.1, 2.0);
(440283.1, 3747959.7, 258.2, 1142.1, 2.0); (440300.0,
3747969.1, 258.9, 1142.1, 2.0);
(440321.2, 3747989.1, 257.1, 1142.1, 2.0); (440293.3,
3748093.9, 240.7, 1142.1, 2.0);
(440300.0, 3748071.1, 247.9, 1142.1, 2.0); (440307.9,
3748048.4, 252.5, 1142.1, 2.0);
(440314.1, 3748028.4, 255.8, 1142.1, 2.0); (440320.0,
3748006.8, 260.3, 1142.1, 2.0);

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*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAS\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** *** 10:48:10

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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ_U*
```

PROCESSING \*\*\*

[illegible]

\*\*\* UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED

(METERS/SEC)

10.80,

```

*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:48:10

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DATA \*\*\*

Met Version: 16216

Surface format: FREE

Profile format: FREE

Name: UNKNOWN

Name: UNKNOWN

Year: 2012

Year: 2012

|        |     |    |     |    |     |    |    |       |       |       |     |     |    |       |
|--------|-----|----|-----|----|-----|----|----|-------|-------|-------|-----|-----|----|-------|
| YR     | MO  | DY | JDY | HR | H0  | U* | W* | DT/DZ | ZICNV | ZIMCH | M-O | LEN | Z0 | BOWEN |
| ALBEDO | REF | WS | WD  | HT | REF | TA | HT |       |       |       |     |     |    |       |

|      |    |      |      |      |       |       |        |        |       |      |       |      |      |
|------|----|------|------|------|-------|-------|--------|--------|-------|------|-------|------|------|
| 12   | 01 | 01   | 1    | 01   | -25.6 | 0.266 | -9.000 | -9.000 | -999. | 330. | 77.9  | 0.15 | 2.40 |
| 1.00 |    | 2.93 | 55.  | 10.1 | 288.1 | 2.0   |        |        |       |      |       |      |      |
| 12   | 01 | 01   | 1    | 02   | -26.8 | 0.277 | -9.000 | -9.000 | -999. | 351. | 84.7  | 0.15 | 2.40 |
| 1.00 |    | 3.05 | 55.  | 10.1 | 287.0 | 2.0   |        |        |       |      |       |      |      |
| 12   | 01 | 01   | 1    | 03   | -21.5 | 0.221 | -9.000 | -9.000 | -999. | 250. | 53.5  | 0.15 | 2.40 |
| 1.00 |    | 2.45 | 74.  | 10.1 | 284.2 | 2.0   |        |        |       |      |       |      |      |
| 12   | 01 | 01   | 1    | 04   | -22.0 | 0.227 | -9.000 | -9.000 | -999. | 260. | 56.8  | 0.15 | 2.40 |
| 1.00 |    | 2.52 | 77.  | 10.1 | 285.9 | 2.0   |        |        |       |      |       |      |      |
| 12   | 01 | 01   | 1    | 05   | -20.0 | 0.206 | -9.000 | -9.000 | -999. | 225. | 46.8  | 0.15 | 2.40 |
| 1.00 |    | 2.30 | 80.  | 10.1 | 285.4 | 2.0   |        |        |       |      |       |      |      |
| 12   | 01 | 01   | 1    | 06   | -14.4 | 0.171 | -9.000 | -9.000 | -999. | 170. | 32.1  | 0.15 | 2.40 |
| 1.00 |    | 1.93 | 79.  | 10.1 | 287.0 | 2.0   |        |        |       |      |       |      |      |
| 12   | 01 | 01   | 1    | 07   | -14.9 | 0.174 | -9.000 | -9.000 | -999. | 174. | 33.2  | 0.15 | 2.40 |
| 1.00 |    | 1.96 | 77.  | 10.1 | 284.2 | 2.0   |        |        |       |      |       |      |      |
| 12   | 01 | 01   | 1    | 08   | -11.9 | 0.169 | -9.000 | -9.000 | -999. | 167. | 36.1  | 0.15 | 2.40 |
| 0.53 |    | 1.89 | 77.  | 10.1 | 288.1 | 2.0   |        |        |       |      |       |      |      |
| 12   | 01 | 01   | 1    | 09   | 40.4  | 0.234 | 0.359  | 0.006  | 40.   | 272. | -28.1 | 0.15 | 2.40 |
| 0.31 |    | 2.10 | 81.  | 10.1 | 289.2 | 2.0   |        |        |       |      |       |      |      |
| 12   | 01 | 01   | 1    | 10   | 112.6 | 0.246 | 0.742  | 0.005  | 129.  | 293. | -11.8 | 0.15 | 2.40 |
| 0.24 |    | 1.99 | 101. | 10.1 | 296.4 | 2.0   |        |        |       |      |       |      |      |
| 12   | 01 | 01   | 1    | 11   | 161.0 | 0.402 | 1.188  | 0.005  | 369.  | 611. | -35.6 | 0.15 | 2.40 |
| 0.21 |    | 3.68 | 78.  | 10.1 | 298.8 | 2.0   |        |        |       |      |       |      |      |
| 12   | 01 | 01   | 1    | 12   | 184.7 | 0.337 | 1.516  | 0.005  | 668.  | 473. | -18.4 | 0.15 | 2.40 |
| 0.20 |    | 2.89 | 68.  | 10.1 | 300.4 | 2.0   |        |        |       |      |       |      |      |
| 12   | 01 | 01   | 1    | 13   | 183.9 | 0.310 | 1.809  | 0.005  | 1139. | 414. | -14.2 | 0.15 | 2.40 |
| 0.20 |    | 2.57 | 64.  | 10.1 | 302.5 | 2.0   |        |        |       |      |       |      |      |

|      |      |     |      |       |       |       |        |        |       |      |        |      |      |
|------|------|-----|------|-------|-------|-------|--------|--------|-------|------|--------|------|------|
| 12   | 01   | 01  | 1    | 14    | 156.6 | 0.374 | 1.852  | 0.005  | 1434. | 549. | -29.5  | 0.15 | 2.40 |
| 0.22 | 3.37 | 63. | 10.1 | 303.1 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01  | 1    | 15    | 104.3 | 0.382 | 1.658  | 0.005  | 1546. | 567. | -47.2  | 0.15 | 2.40 |
| 0.25 | 3.59 | 62. | 10.1 | 302.5 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01  | 1    | 16    | 31.8  | 0.374 | 1.123  | 0.005  | 1573. | 550. | -145.8 | 0.15 | 2.40 |
| 0.34 | 3.76 | 69. | 10.1 | 300.9 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01  | 1    | 17    | -23.3 | 0.276 | -9.000 | -9.000 | -999. | 354. | 84.0   | 0.15 | 2.40 |
| 0.62 | 3.03 | 59. | 10.1 | 297.5 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01  | 1    | 18    | -21.5 | 0.229 | -9.000 | -9.000 | -999. | 264. | 57.8   | 0.15 | 2.40 |
| 1.00 | 2.54 | 54. | 10.1 | 295.4 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01  | 1    | 19    | -19.3 | 0.204 | -9.000 | -9.000 | -999. | 221. | 45.6   | 0.15 | 2.40 |
| 1.00 | 2.27 | 79. | 10.1 | 292.0 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01  | 1    | 20    | -20.7 | 0.218 | -9.000 | -9.000 | -999. | 244. | 52.2   | 0.15 | 2.40 |
| 1.00 | 2.42 | 79. | 10.1 | 292.5 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01  | 1    | 21    | -19.7 | 0.206 | -9.000 | -9.000 | -999. | 225. | 46.9   | 0.15 | 2.40 |
| 1.00 | 2.30 | 95. | 10.1 | 290.9 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01  | 1    | 22    | -17.6 | 0.190 | -9.000 | -9.000 | -999. | 199. | 39.8   | 0.15 | 2.40 |
| 1.00 | 2.13 | 78. | 10.1 | 290.4 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01  | 1    | 23    | -20.3 | 0.211 | -9.000 | -9.000 | -999. | 233. | 49.0   | 0.15 | 2.40 |
| 1.00 | 2.35 | 52. | 10.1 | 289.2 | 2.0   |       |        |        |       |      |        |      |      |
| 12   | 01   | 01  | 1    | 24    | -16.4 | 0.183 | -9.000 | -9.000 | -999. | 189. | 37.0   | 0.15 | 2.40 |
| 1.00 | 2.06 | 75. | 10.1 | 288.8 | 2.0   |       |        |        |       |      |        |      |      |

First hour of profile data

| YR | MO | DY | HR | HEIGHT | F | WDIR | WSPD | AMB_TMP | sigmaA | sigmaW | sigmaV |
|----|----|----|----|--------|---|------|------|---------|--------|--------|--------|
| 12 | 01 | 01 | 01 | 10.1   | 1 | 55.  | 2.93 | 288.2   | 99.0   | -99.00 | -99.00 |

F indicates top of profile (=1) or below (=0)

\*\*\* AERMOD - VERSION 23132 \*\*\*  
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 Green River Ranch\12630 0 \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S): VOL1, VOL2  
 , VOL3, VOL4, VOL5, VOL6, VOL7, VOL8, VOL9, VOL10  
 , VOL11, VOL12, VOL13, VOL14, VOL15, VOL16, VOL17, VOL18  
 , VOL19, VOL20, VOL21, VOL22, VOL23, VOL24, VOL25, VOL26  
 , VOL27, VOL28, . . .

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup>

| X-COORD (M) | Y-COORD (M) | CONC       | (YYMMDDHH) | X-COORD (M) |
|-------------|-------------|------------|------------|-------------|
| Y-COORD (M) | CONC        | (YYMMDDHH) |            |             |
| -----       | -----       | -----      | -----      | -----       |
| 439259.97   | 3749072.65  | 0.08976    | (16010624) | 439277.61   |
| 3749070.69  | 0.09416     | (16010624) |            |             |
| 439298.40   | 3749082.06  | 0.09199    | (16010624) | 439312.13   |
| 3749091.08  | 0.08910     | (16010624) |            |             |
| 439321.93   | 3749098.54  | 0.08620    | (16010624) | 439240.72   |
| 3749074.67  | 0.08617     | (16010524) |            |             |
| 439217.60   | 3749084.06  | 0.07965    | (16010524) | 439205.31   |
| 3749089.84  | 0.07625     | (16010524) |            |             |
| 439192.07   | 3749096.35  | 0.07277    | (16010524) | 439179.54   |
| 3749103.09  | 0.06956     | (16010524) |            |             |
| 439169.91   | 3749108.15  | 0.06727    | (16010524) | 439157.14   |
| 3749113.69  | 0.06462     | (16010524) |            |             |
| 439137.63   | 3749079.00  | 0.06826    | (14121224) | 439113.31   |
| 3749079.24  | 0.06519     | (14121224) |            |             |
| 439099.82   | 3749078.76  | 0.06360    | (14121224) | 439085.37   |
| 3749079.00  | 0.06178     | (14121224) |            |             |
| 439071.88   | 3749078.76  | 0.06027    | (14121224) | 439045.63   |
| 3749077.56  | 0.05761     | (14121224) |            |             |
| 438992.40   | 3749075.39  | 0.05264    | (14121224) | 438978.19   |
| 3749072.74  | 0.05167     | (14121224) |            |             |
| 438963.01   | 3749071.06  | 0.05055    | (14121224) | 438947.12   |
| 3749069.13  | 0.04943     | (14121224) |            |             |
| 438932.42   | 3749067.44  | 0.04841    | (14121224) | 438917.49   |
| 3749065.27  | 0.04744     | (14121224) |            |             |
| 438902.80   | 3749063.11  | 0.04648    | (14121224) | 438888.11   |
| 3749060.22  | 0.04556     | (14121224) |            |             |
| 438870.76   | 3749057.57  | 0.04442    | (14121224) | 438854.87   |
| 3749058.05  | 0.04321     | (14121224) |            |             |
| 438838.01   | 3749060.22  | 0.04186    | (14121224) | 438779.48   |
| 3749017.83  | 0.03922     | (14121224) |            |             |
| 438784.54   | 3749046.01  | 0.03864    | (14121224) | 438762.86   |
| 3749004.58  | 0.03812     | (14121224) |            |             |
| 438815.85   | 3749066.24  | 0.03997    | (14121224) | 439042.50   |
| 3748895.54  | 0.08132     | (14121224) |            |             |
| 439038.53   | 3748865.79  | 0.08758    | (14121224) | 438999.14   |
| 3748811.38  | 0.09890     | (14121224) |            |             |
| 438921.22   | 3748750.74  | 0.07518    | (15112724) | 438794.05   |
| 3748719.90  | 0.05253     | (15112724) |            |             |
| 438730.91   | 3748880.70  | 0.03283    | (14121224) | 438748.55   |
| 3748863.05  | 0.03437     | (14121224) |            |             |
| 438764.63   | 3748843.83  | 0.03689    | (15112724) | 438785.55   |
| 3748816.73  | 0.04106     | (15112724) |            |             |

|            |            |            |            |           |
|------------|------------|------------|------------|-----------|
| 438805.14  | 3748787.97 | 0.04630    | (15112724) | 438803.16 |
| 3748750.85 | 0.05057    | (15112724) |            |           |
| 438788.42  | 3748703.24 | 0.05312    | (15112724) | 438780.49 |
| 3748674.05 | 0.05350    | (15112724) |            |           |
| 438768.87  | 3748645.43 | 0.05238    | (15112724) | 438751.58 |
| 3748620.50 | 0.04965    | (15112724) |            |           |
| 438730.33  | 3748595.84 | 0.04609    | (15112724) | 438712.19 |
| 3748572.04 | 0.04356    | (14121624) |            |           |
| 438693.49  | 3748548.80 | 0.04141    | (14121624) | 438676.77 |
| 3748525.00 | 0.03940    | (14121624) |            |           |
| 438655.80  | 3748497.80 | 0.03689    | (14121624) | 438639.08 |
| 3748475.69 | 0.03579    | (16122924) |            |           |
| 438619.53  | 3748452.46 | 0.03474    | (16122924) | 438600.26 |
| 3748429.79 | 0.03361    | (16122924) |            |           |
| 438580.71  | 3748404.57 | 0.03237    | (16122924) | 438561.44 |
| 3748384.17 | 0.03112    | (16122924) |            |           |
| 438540.75  | 3748363.76 | 0.02979    | (16122924) | 438520.92 |
| 3748341.09 | 0.02852    | (16122924) |            |           |
| 438499.95  | 3748320.41 | 0.02720    | (16122924) | 438735.66 |
| 3748992.65 | 0.03595    | (14121224) |            |           |
| 438675.26  | 3748985.08 | 0.03006    | (14121224) | 439331.05 |
| 3749107.64 | 0.08231    | (16010624) |            |           |
| 439341.93  | 3749117.09 | 0.07821    | (16010624) | 439353.60 |
| 3749127.33 | 0.07358    | (16010624) |            |           |
| 439366.09  | 3749137.37 | 0.06909    | (16010624) | 439375.72 |
| 3749143.92 | 0.06614    | (16010624) |            |           |
| 439388.41  | 3749153.54 | 0.06187    | (16010624) | 439400.49 |
| 3749162.14 | 0.05821    | (16010624) |            |           |
| 439413.60  | 3749169.92 | 0.05497    | (16010624) | 439425.68 |
| 3749178.11 | 0.05188    | (16010624) |            |           |
| 439449.64  | 3749192.86 | 0.04864    | (13121924) | 439473.05 |
| 3749214.38 | 0.04488    | (13121924) |            |           |
| 439800.83  | 3749040.52 | 0.08825    | (13100924) | 439873.79 |
| 3748887.43 | 0.20592m   | (13112124) |            |           |
| 439887.64  | 3748802.52 | 0.21866    | (14111124) | 440077.78 |
| 3748740.21 | 0.09218m   | (13112124) |            |           |
| 440019.17  | 3748682.06 | 0.11451    | (12050124) | 439929.64 |
| 3748601.76 | 0.14943    | (14111124) |            |           |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION  
 VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): VOL1 , VOL2  
 , VOL3 , VOL4 , VOL5 ,

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
|         | VOL6    | , VOL7  | , VOL8  | , VOL9  | , VOL10 |
| , VOL11 | , VOL12 | , VOL13 |         |         |         |
|         | VOL14   | , VOL15 | , VOL16 | , VOL17 | , VOL18 |
| , VOL19 | , VOL20 | , VOL21 |         |         |         |
|         | VOL22   | , VOL23 | , VOL24 | , VOL25 | , VOL26 |
| , VOL27 | , VOL28 | , . . . |         |         |         |

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M)         | CONC       | (YYMMDDHH) | X-COORD (M) |
|-------------|---------------------|------------|------------|-------------|
| Y-COORD (M) | CONC                | (YYMMDDHH) |            |             |
| -----       |                     |            |            |             |
| 439955.02   | 3748605.92          | 0.12860    | (14111124) | 439983.17   |
| 3748614.22  | 0.11774 (12050124)  |            |            |             |
| 440006.24   | 3748617.45          | 0.11123    | (12050124) | 440071.32   |
| 3748624.38  | 0.09683 (12050124)  |            |            |             |
| 440087.93   | 3748639.61          | 0.09484    | (12050124) | 440117.00   |
| 3748766.98  | 0.08146m (13112124) |            |            |             |
| 439940.25   | 3748575.00          | 0.14087    | (14111124) | 439996.09   |
| 3748506.23  | 0.12168 (12042324)  |            |            |             |
| 440023.32   | 3748475.77          | 0.11179    | (12042324) | 440043.16   |
| 3748463.78  | 0.10076 (12042324)  |            |            |             |
| 440054.70   | 3748448.55          | 0.09440    | (12042324) | 440063.47   |
| 3748429.62  | 0.08833 (12042324)  |            |            |             |
| 440072.29   | 3748414.84          | 0.08240    | (12042324) | 440083.83   |
| 3748396.38  | 0.07546 (12042324)  |            |            |             |
| 440096.29   | 3748378.84          | 0.06849    | (12042324) | 440105.06   |
| 3748361.76  | 0.06333 (12113024)  |            |            |             |
| 440106.91   | 3748342.84          | 0.06108    | (12113024) | 440120.75   |
| 3748318.84  | 0.05525 (12113024)  |            |            |             |
| 440122.71   | 3748286.94          | 0.05046    | (12113024) | 440117.33   |
| 3748252.65  | 0.04554 (12113024)  |            |            |             |
| 440121.30   | 3748218.07          | 0.03923    | (12113024) | 440128.10   |
| 3748298.00  | 0.05126 (12113024)  |            |            |             |
| 440266.27   | 3748117.44          | 0.02519    | (15092124) | 440165.45   |
| 3747898.52  | 0.01952 (14120324)  |            |            |             |
| 440191.34   | 3747915.00          | 0.02009    | (14120324) | 440206.64   |
| 3747939.32  | 0.01994 (14120324)  |            |            |             |
| 440247.44   | 3747944.82          | 0.01994    | (14120324) | 440266.66   |
| 3747950.70  | 0.01982 (14120324)  |            |            |             |
| 440283.14   | 3747959.73          | 0.01965    | (14120324) | 440300.01   |
| 3747969.14  | 0.01927 (14120324)  |            |            |             |
| 440321.20   | 3747989.15          | 0.01951c   | (12112824) | 440293.34   |
| 3748093.90  | 0.02353c (12112824) |            |            |             |
| 440300.01   | 3748071.14          | 0.02250c   | (12112824) | 440307.86   |



|            |                     |                               |
|------------|---------------------|-------------------------------|
| 3748048.39 | 0.02156c (12112824) |                               |
| 440314.13  | 3748028.38          | 0.02079c (12112824) 440320.02 |
| 3748006.80 | 0.01998c (12112824) |                               |
| 440335.28  | 3747569.25          | 0.01131 (14120324) 440507.19  |
| 3748971.21 | 0.03879m (13112124) |                               |
| 439956.03  | 3749044.31          | 0.06455 (13100924) 439952.87  |
| 3748770.03 | 0.14349 (14111124)  |                               |
| 438867.06  | 3748863.17          | 0.05735 (14121224)            |

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\*\*\* MODELOPTs:    RegDFAULT   CONC   ELEV   FLGPOL   URBAN   ADJ\_U\*

\*\*\* THE SUMMARY OF HIGHEST 24-HR

RESULTS \*\*\*

\*\* CONC OF PM\_10    IN MICROGRAMS/M\*\*3

\*\*

|                               |              | DATE       |           |           |
|-------------------------------|--------------|------------|-----------|-----------|
| GROUP ID                      | NETWORK      |            |           | RECEPTOR  |
| (XR, YR, ZELEV, ZHILL, ZFLAG) | AVERAGE CONC | (YYMMDDHH) |           |           |
|                               | OF TYPE      | GRID-ID    |           |           |
| - - - - -                     | - - - - -    | - - - - -  | - - - - - | - - - - - |
| - - - - -                     | - - - - -    | - - - - -  | - - - - - | - - - - - |

ALL      HIGH    1ST HIGH VALUE IS      0.21866    ON 14111124: AT (    439887.64,  
 3748802.52,    161.93,    1142.09,    2.00)    DC

\*\*\* RECEPTOR TYPES:    GC = GRIDCART  
                              GP = GRIDPOLR  
                              DC = DISCCART  
                              DP = DISCPOLR

^ \*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
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\*\*\* MODELOPTs:    RegDFAULT   CONC   ELEV   FLGPOL   URBAN   ADJ\_U\*

\*\*\* Message Summary : AERMOD Model Execution \*\*\*

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)  
A Total of 2 Warning Message(s)  
A Total of 1638 Informational Message(s)  
  
A Total of 43848 Hours Were Processed  
  
A Total of 1039 Calm Hours Identified  
  
A Total of 599 Missing Hours Identified ( 1.37 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*  
\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
ME W186 1085 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used  
0.50  
ME W187 1085 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*  
\*\*\* AERMOD Finishes Successfully \*\*\*  
\*\*\*\*\*

\*\*

\*\*\*\*\*

\*\*

\*\* AERMOD Input Produced by:  
\*\* AERMOD View Ver. 12.0.0  
\*\* Lakes Environmental Software Inc.  
\*\* Date: 6/11/2024  
\*\* File: C:\Users\adadabhoy\Desktop\AERMOD\12630 Green River Ranch\12630 Ops  
PM25\12630 Ops PM25.ADI

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\*\* AERMOD Control Pathway

\*\*\*\*\*

\*\*

\*\*

CO STARTING  
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\12630 Green River Ranch\12630 0  
MODELOPT DFAULT CONC  
AVERTIME 24  
URBANOPT 2189641 Riverside\_County  
POLLUTID PM\_2.5  
FLAGPOLE 2.00

RUNORNOT RUN  
ERRORFIL "12630 Ops PM25.err"  
CO FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Source Pathway

\*\*\*\*\*

\*\*

\*\*

SO STARTING

\*\* Source Location \*\*

\*\* Source ID - Type - X Coord. - Y Coord. \*\*

|                |        |            |             |         |
|----------------|--------|------------|-------------|---------|
| LOCATION VOL1  | VOLUME | 439309.748 | 3748858.376 | 161.250 |
| LOCATION VOL2  | VOLUME | 439374.128 | 3748922.763 | 156.930 |
| LOCATION VOL3  | VOLUME | 439455.801 | 3748932.328 | 154.240 |
| LOCATION VOL4  | VOLUME | 439463.159 | 3748879.351 | 157.760 |
| LOCATION VOL5  | VOLUME | 439391.051 | 3748849.183 | 160.760 |
| LOCATION VOL6  | VOLUME | 439538.210 | 3748941.894 | 153.630 |
| LOCATION VOL7  | VOLUME | 439791.324 | 3748855.070 | 157.420 |
| LOCATION VOL8  | VOLUME | 439711.122 | 3748854.334 | 157.470 |
| LOCATION VOL9  | VOLUME | 439633.128 | 3748853.598 | 157.760 |
| LOCATION VOL10 | VOLUME | 439551.455 | 3748852.127 | 158.730 |
| LOCATION VOL11 | VOLUME | 439793.532 | 3748775.604 | 163.250 |
| LOCATION VOL12 | VOLUME | 439712.594 | 3748774.868 | 161.370 |
| LOCATION VOL13 | VOLUME | 439632.392 | 3748774.132 | 162.310 |
| LOCATION VOL14 | VOLUME | 439552.190 | 3748773.396 | 163.870 |
| LOCATION VOL15 | VOLUME | 439471.989 | 3748772.661 | 162.240 |
| LOCATION VOL16 | VOLUME | 439391.051 | 3748771.925 | 164.850 |
| LOCATION VOL17 | VOLUME | 439310.849 | 3748769.717 | 165.560 |
| LOCATION VOL18 | VOLUME | 439121.750 | 3748688.044 | 178.040 |
| LOCATION VOL19 | VOLUME | 439202.687 | 3748688.044 | 176.120 |
| LOCATION VOL20 | VOLUME | 439283.625 | 3748689.516 | 171.580 |
| LOCATION VOL21 | VOLUME | 439365.298 | 3748690.251 | 170.660 |
| LOCATION VOL22 | VOLUME | 439446.972 | 3748692.459 | 169.250 |
| LOCATION VOL23 | VOLUME | 439528.645 | 3748693.930 | 171.250 |
| LOCATION VOL24 | VOLUME | 439610.318 | 3748694.666 | 167.770 |
| LOCATION VOL25 | VOLUME | 439691.992 | 3748693.195 | 166.370 |
| LOCATION VOL26 | VOLUME | 439772.929 | 3748693.195 | 175.080 |
| LOCATION VOL27 | VOLUME | 439822.963 | 3748612.993 | 188.660 |
| LOCATION VOL28 | VOLUME | 439743.497 | 3748613.729 | 173.330 |
| LOCATION VOL29 | VOLUME | 439662.560 | 3748612.993 | 177.500 |
| LOCATION VOL30 | VOLUME | 439583.094 | 3748613.729 | 177.610 |
| LOCATION VOL31 | VOLUME | 439502.156 | 3748613.729 | 180.210 |
| LOCATION VOL32 | VOLUME | 439421.219 | 3748612.993 | 175.050 |
| LOCATION VOL33 | VOLUME | 439341.753 | 3748613.729 | 180.220 |
| LOCATION VOL34 | VOLUME | 439260.815 | 3748613.729 | 185.530 |
| LOCATION VOL35 | VOLUME | 439180.613 | 3748611.521 | 196.860 |
| LOCATION VOL36 | VOLUME | 439132.787 | 3748609.314 | 188.370 |
| LOCATION VOL37 | VOLUME | 439132.051 | 3748527.640 | 198.180 |
| LOCATION VOL38 | VOLUME | 439212.988 | 3748528.376 | 207.120 |

|                |        |            |             |         |
|----------------|--------|------------|-------------|---------|
| LOCATION VOL39 | VOLUME | 439291.719 | 3748530.584 | 210.020 |
| LOCATION VOL40 | VOLUME | 439372.656 | 3748531.319 | 192.510 |
| LOCATION VOL41 | VOLUME | 439453.594 | 3748530.584 | 191.060 |
| LOCATION VOL42 | VOLUME | 439535.267 | 3748532.791 | 202.180 |
| LOCATION VOL43 | VOLUME | 439616.205 | 3748533.527 | 177.120 |
| LOCATION VOL44 | VOLUME | 439697.142 | 3748532.791 | 199.900 |
| LOCATION VOL45 | VOLUME | 439778.080 | 3748534.998 | 179.030 |
| LOCATION VOL46 | VOLUME | 439821.492 | 3748532.055 | 188.360 |
| LOCATION VOL48 | VOLUME | 439213.724 | 3748448.174 | 212.290 |
| LOCATION VOL49 | VOLUME | 439293.926 | 3748449.646 | 227.840 |
| LOCATION VOL50 | VOLUME | 439373.392 | 3748451.118 | 194.220 |
| LOCATION VOL51 | VOLUME | 439452.858 | 3748449.646 | 203.050 |
| LOCATION VOL52 | VOLUME | 439534.531 | 3748451.118 | 218.960 |
| LOCATION VOL53 | VOLUME | 439614.733 | 3748453.325 | 186.120 |
| LOCATION VOL54 | VOLUME | 439696.407 | 3748454.797 | 204.900 |
| LOCATION VOL55 | VOLUME | 439780.287 | 3748453.325 | 199.550 |
| LOCATION VOL58 | VOLUME | 439290.247 | 3748369.444 | 229.260 |
| LOCATION VOL59 | VOLUME | 439370.449 | 3748369.444 | 199.150 |
| LOCATION VOL60 | VOLUME | 439451.386 | 3748370.916 | 231.160 |
| LOCATION VOL61 | VOLUME | 439533.796 | 3748370.916 | 220.080 |
| LOCATION VOL62 | VOLUME | 439613.997 | 3748373.123 | 193.690 |
| LOCATION VOL63 | VOLUME | 439693.463 | 3748374.595 | 208.120 |

\*\* Source Parameters \*\*

|                |             |       |        |       |
|----------------|-------------|-------|--------|-------|
| SRCPARAM VOL1  | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL2  | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL3  | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL4  | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL5  | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL6  | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL7  | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL8  | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL9  | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL10 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL11 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL12 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL13 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL14 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL15 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL16 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL17 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL18 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL19 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL20 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL21 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL22 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL23 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL24 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL25 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL26 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL27 | 0.000414533 | 5.000 | 18.651 | 1.400 |

|                |             |       |        |       |
|----------------|-------------|-------|--------|-------|
| SRCPARAM VOL28 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL29 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL30 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL31 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL32 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL33 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL34 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL35 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL36 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL37 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL38 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL39 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL40 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL41 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL42 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL43 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL44 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL45 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL46 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL48 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL49 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL50 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL51 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL52 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL53 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL54 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL55 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL58 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL59 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL60 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL61 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL62 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL63 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| URBANSRC ALL   |             |       |        |       |

\*\* Variable Emissions Type: "By Hour / Day (HRDOW)"

\*\* Variable Emission Scenario: "Scenario 1"

\*\* WeekDays:

|               |                               |
|---------------|-------------------------------|
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL1 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL1 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |

\*\* Saturday:

|               |                               |
|---------------|-------------------------------|
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |

\*\* Sunday:

|               |                               |
|---------------|-------------------------------|
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |

|               |                               |
|---------------|-------------------------------|
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:  |                               |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL2 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:  |                               |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:    |                               |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:  |                               |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL3 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:  |                               |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:    |                               |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:  |                               |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL4 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:  |                               |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:    |                               |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT 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 |
| ** 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 |



[illegible]

[illegible]

|                |                               |
|----------------|-------------------------------|
| 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 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 |
| ** 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 |

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|----------------|-------------------------------|
| EMISFACT VOL38 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL38 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:     |                               |
| EMISFACT VOL38 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL38 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL38 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL38 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:   |                               |
| EMISFACT VOL39 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL39 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL39 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL39 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:   |                               |
| EMISFACT VOL39 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL39 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL39 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL39 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:     |                               |
| EMISFACT VOL39 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL39 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL39 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL39 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:   |                               |
| EMISFACT VOL40 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL40 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL40 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL40 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:   |                               |
| EMISFACT VOL40 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL40 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL40 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL40 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:     |                               |
| EMISFACT VOL40 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL40 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL40 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL40 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:   |                               |
| EMISFACT VOL41 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL41 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL41 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL41 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:   |                               |
| EMISFACT VOL41 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL41 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL41 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL41 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:     |                               |
| EMISFACT VOL41 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL41 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |

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|----------------|-------------------------------|
| EMISFACT VOL49 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL49 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:     |                               |
| EMISFACT VOL49 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL49 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL49 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL49 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:   |                               |
| EMISFACT VOL50 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL50 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL50 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL50 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:   |                               |
| EMISFACT VOL50 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL50 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL50 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL50 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:     |                               |
| EMISFACT VOL50 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL50 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL50 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL50 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:   |                               |
| EMISFACT VOL51 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL51 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL51 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL51 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:   |                               |
| EMISFACT VOL51 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL51 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL51 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL51 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:     |                               |
| EMISFACT VOL51 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL51 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL51 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL51 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:   |                               |
| EMISFACT VOL52 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL52 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL52 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL52 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:   |                               |
| EMISFACT VOL52 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL52 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL52 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL52 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:     |                               |
| EMISFACT VOL52 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL52 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |

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 EMISFACT VOL61 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL61 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
 EMISFACT VOL61 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL61 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL61 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
 EMISFACT VOL61 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
 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
SRCGROUP ALL
SO FINISHED
**

** AERMOD Receptor Pathway

**
**
RE STARTING
 INCLUDED "12630 Ops PM25.rou"
RE FINISHED
**

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\*\* AERMOD Meteorology Pathway

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ME STARTING

SURFFILE KRAL\_V9\_ADJU\KRAL\_v9.SFC

PROFFILE KRAL\_V9\_ADJU\KRAL\_v9.PFL

SURFDATA 3171 2012

UAIRDATA 3190 2012

PROFBASE 245.0 METERS

ME FINISHED

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\*\* AERMOD Output Pathway

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OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 24 1ST

\*\* Auto-Generated Plotfiles

PLOTFILE 24 ALL 1ST "12630 OPS PM25.AD\24H1GALL.PLT" 31

SUMMFILE "12630 Ops PM25.sum"

OU FINISHED

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\*\* Project Parameters

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\*\* PROJCTN CoordinateSystemUTM

\*\* DESCPTN UTM: Universal Transverse Mercator

\*\* DATUM North American Datum 1983

\*\* DTMRGN CONUS

\*\* UNITS m

\*\* ZONE 11

\*\* ZONEINX 0

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\*\* AERMOD Input Produced by:

\*\* AERMOD View Ver. 12.0.0

\*\* Lakes Environmental Software Inc.

\*\* Date: 6/11/2024

\*\* File: C:\Users\adadabhoy\Desktop\AERMOD\12630 Green River Ranch\12630 Ops  
PM25\12630 Ops PM25.ADI

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\*\* AERMOD Control Pathway

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CO STARTING

TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\12630 Green River Ranch\12630 0

MODELOPT DFAULT CONC

AVERTIME 24

URBANOPT 2189641 Riverside\_County

POLLUTID PM\_2.5

FLAGPOLE 2.00

RUNORNOT RUN

ERRORFIL "12630 Ops PM25.err"

CO FINISHED

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\*\* AERMOD Source Pathway

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SO STARTING

\*\* Source Location \*\*

\*\* Source ID - Type - X Coord. - Y Coord. \*\*

|                |        |            |             |         |
|----------------|--------|------------|-------------|---------|
| LOCATION VOL1  | VOLUME | 439309.748 | 3748858.376 | 161.250 |
| LOCATION VOL2  | VOLUME | 439374.128 | 3748922.763 | 156.930 |
| LOCATION VOL3  | VOLUME | 439455.801 | 3748932.328 | 154.240 |
| LOCATION VOL4  | VOLUME | 439463.159 | 3748879.351 | 157.760 |
| LOCATION VOL5  | VOLUME | 439391.051 | 3748849.183 | 160.760 |
| LOCATION VOL6  | VOLUME | 439538.210 | 3748941.894 | 153.630 |
| LOCATION VOL7  | VOLUME | 439791.324 | 3748855.070 | 157.420 |
| LOCATION VOL8  | VOLUME | 439711.122 | 3748854.334 | 157.470 |
| LOCATION VOL9  | VOLUME | 439633.128 | 3748853.598 | 157.760 |
| LOCATION VOL10 | VOLUME | 439551.455 | 3748852.127 | 158.730 |
| LOCATION VOL11 | VOLUME | 439793.532 | 3748775.604 | 163.250 |
| LOCATION VOL12 | VOLUME | 439712.594 | 3748774.868 | 161.370 |
| LOCATION VOL13 | VOLUME | 439632.392 | 3748774.132 | 162.310 |
| LOCATION VOL14 | VOLUME | 439552.190 | 3748773.396 | 163.870 |
| LOCATION VOL15 | VOLUME | 439471.989 | 3748772.661 | 162.240 |
| LOCATION VOL16 | VOLUME | 439391.051 | 3748771.925 | 164.850 |
| LOCATION VOL17 | VOLUME | 439310.849 | 3748769.717 | 165.560 |
| LOCATION VOL18 | VOLUME | 439121.750 | 3748688.044 | 178.040 |
| LOCATION VOL19 | VOLUME | 439202.687 | 3748688.044 | 176.120 |
| LOCATION VOL20 | VOLUME | 439283.625 | 3748689.516 | 171.580 |
| LOCATION VOL21 | VOLUME | 439365.298 | 3748690.251 | 170.660 |
| LOCATION VOL22 | VOLUME | 439446.972 | 3748692.459 | 169.250 |
| LOCATION VOL23 | VOLUME | 439528.645 | 3748693.930 | 171.250 |
| LOCATION VOL24 | VOLUME | 439610.318 | 3748694.666 | 167.770 |
| LOCATION VOL25 | VOLUME | 439691.992 | 3748693.195 | 166.370 |
| LOCATION VOL26 | VOLUME | 439772.929 | 3748693.195 | 175.080 |
| LOCATION VOL27 | VOLUME | 439822.963 | 3748612.993 | 188.660 |

|                |        |            |             |         |
|----------------|--------|------------|-------------|---------|
| LOCATION VOL28 | VOLUME | 439743.497 | 3748613.729 | 173.330 |
| LOCATION VOL29 | VOLUME | 439662.560 | 3748612.993 | 177.500 |
| LOCATION VOL30 | VOLUME | 439583.094 | 3748613.729 | 177.610 |
| LOCATION VOL31 | VOLUME | 439502.156 | 3748613.729 | 180.210 |
| LOCATION VOL32 | VOLUME | 439421.219 | 3748612.993 | 175.050 |
| LOCATION VOL33 | VOLUME | 439341.753 | 3748613.729 | 180.220 |
| LOCATION VOL34 | VOLUME | 439260.815 | 3748613.729 | 185.530 |
| LOCATION VOL35 | VOLUME | 439180.613 | 3748611.521 | 196.860 |
| LOCATION VOL36 | VOLUME | 439132.787 | 3748609.314 | 188.370 |
| LOCATION VOL37 | VOLUME | 439132.051 | 3748527.640 | 198.180 |
| LOCATION VOL38 | VOLUME | 439212.988 | 3748528.376 | 207.120 |
| LOCATION VOL39 | VOLUME | 439291.719 | 3748530.584 | 210.020 |
| LOCATION VOL40 | VOLUME | 439372.656 | 3748531.319 | 192.510 |
| LOCATION VOL41 | VOLUME | 439453.594 | 3748530.584 | 191.060 |
| LOCATION VOL42 | VOLUME | 439535.267 | 3748532.791 | 202.180 |
| LOCATION VOL43 | VOLUME | 439616.205 | 3748533.527 | 177.120 |
| LOCATION VOL44 | VOLUME | 439697.142 | 3748532.791 | 199.900 |
| LOCATION VOL45 | VOLUME | 439778.080 | 3748534.998 | 179.030 |
| LOCATION VOL46 | VOLUME | 439821.492 | 3748532.055 | 188.360 |
| LOCATION VOL48 | VOLUME | 439213.724 | 3748448.174 | 212.290 |
| LOCATION VOL49 | VOLUME | 439293.926 | 3748449.646 | 227.840 |
| LOCATION VOL50 | VOLUME | 439373.392 | 3748451.118 | 194.220 |
| LOCATION VOL51 | VOLUME | 439452.858 | 3748449.646 | 203.050 |
| LOCATION VOL52 | VOLUME | 439534.531 | 3748451.118 | 218.960 |
| LOCATION VOL53 | VOLUME | 439614.733 | 3748453.325 | 186.120 |
| LOCATION VOL54 | VOLUME | 439696.407 | 3748454.797 | 204.900 |
| LOCATION VOL55 | VOLUME | 439780.287 | 3748453.325 | 199.550 |
| LOCATION VOL58 | VOLUME | 439290.247 | 3748369.444 | 229.260 |
| LOCATION VOL59 | VOLUME | 439370.449 | 3748369.444 | 199.150 |
| LOCATION VOL60 | VOLUME | 439451.386 | 3748370.916 | 231.160 |
| LOCATION VOL61 | VOLUME | 439533.796 | 3748370.916 | 220.080 |
| LOCATION VOL62 | VOLUME | 439613.997 | 3748373.123 | 193.690 |
| LOCATION VOL63 | VOLUME | 439693.463 | 3748374.595 | 208.120 |

\*\* Source Parameters \*\*

|                |             |       |        |       |
|----------------|-------------|-------|--------|-------|
| SRCPARAM VOL1  | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL2  | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL3  | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL4  | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL5  | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL6  | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL7  | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL8  | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL9  | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL10 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL11 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL12 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL13 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL14 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL15 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL16 | 0.000414533 | 5.000 | 18.651 | 1.400 |

|                |             |       |        |       |
|----------------|-------------|-------|--------|-------|
| SRCPARAM VOL17 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL18 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL19 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL20 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL21 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL22 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL23 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL24 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL25 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL26 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL27 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL28 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL29 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL30 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL31 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL32 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL33 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL34 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL35 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL36 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL37 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL38 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL39 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL40 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL41 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL42 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL43 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL44 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL45 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL46 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL48 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL49 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL50 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL51 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL52 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL53 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL54 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL55 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL58 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL59 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL60 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL61 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL62 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| SRCPARAM VOL63 | 0.000414533 | 5.000 | 18.651 | 1.400 |
| URBANSRC ALL   |             |       |        |       |

\*\* Variable Emissions Type: "By Hour / Day (HRDOW)"

\*\* Variable Emission Scenario: "Scenario 1"

\*\* WeekDays:

|               |                               |
|---------------|-------------------------------|
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
|---------------|-------------------------------|

|               |                               |
|---------------|-------------------------------|
| EMISFACT VOL1 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL1 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:  |                               |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:    |                               |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL1 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:  |                               |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL2 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:  |                               |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:    |                               |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL2 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:  |                               |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL3 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:  |                               |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:    |                               |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL3 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:  |                               |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL4 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:  |                               |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |

|               |                               |
|---------------|-------------------------------|
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:    |                               |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL4 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT 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 |
| ** 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 |

[illegible]

[illegible]



[illegible]

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[illegible]

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[illegible]

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[illegible]

[illegible]

[illegible]

[illegible]

|                |                               |
|----------------|-------------------------------|
| 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:   |                               |
| EMISFACT VOL61 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL61 | HRDOW 0.0 0.0 1.0 1.0 1.0 1.0 |
| EMISFACT VOL61 | HRDOW 1.0 1.0 1.0 1.0 0.0 0.0 |
| EMISFACT VOL61 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Saturday:   |                               |
| EMISFACT VOL61 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL61 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL61 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL61 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** Sunday:     |                               |
| EMISFACT VOL61 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL61 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL61 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| EMISFACT VOL61 | HRDOW 0.0 0.0 0.0 0.0 0.0 0.0 |
| ** WeekDays:   |                               |
| 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 |
| SRCGROUP ALL   |                               |
| SO FINISHED    |                               |

```

**

** AERMOD Receptor Pathway

**
**
RE STARTING
 INCLUDED "12630 Ops PM25.rou"
RE FINISHED
**

** AERMOD Meteorology Pathway

**
**
ME STARTING
 SURFFILE KRAL_V9_ADJU\KRAL_v9.SFC
 PROFILE KRAL_V9_ADJU\KRAL_v9.PFL
 SURFDATA 3171 2012
 UAIRDATA 3190 2012
 PROFBASE 245.0 METERS
ME FINISHED
**

** AERMOD Output Pathway

**
**
OU STARTING
 RECTABLE ALLAVE 1ST
 RECTABLE 24 1ST
** Auto-Generated Plotfiles
 PLOTFILE 24 ALL 1ST "12630 OPS PM25.AD\24H1GALL.PLT" 31
 SUMMFILE "12630 Ops PM25.sum"
OU FINISHED

```

\*\*\* Message Summary For AERMOD Model Setup \*\*\*

----- Summary of Total Messages -----

|            |                            |
|------------|----------------------------|
| A Total of | 0 Fatal Error Message(s)   |
| A Total of | 2 Warning Message(s)       |
| A Total of | 0 Informational Message(s) |

```

***** FATAL ERROR MESSAGES *****
 *** NONE ***

```

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

ME W186 1085 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used  
0.50

ME W187 1085 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*

\*\*\* SETUP Finishes Successfully \*\*\*

\*\*\*\*\*

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:53:06

PAGE 1

\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* MODEL SETUP OPTIONS SUMMARY

\*\*\*

- - - - -  
- - - - -

\*\* Model Options Selected:

- \* Model Uses Regulatory DEFAULT Options
- \* Model Is Setup For Calculation of Average CONCentration Values.
- \* NO GAS DEPOSITION Data Provided.
- \* NO PARTICLE DEPOSITION Data Provided.
- \* Model Uses NO DRY DEPLETION. DDPLETE = F
- \* Model Uses NO WET DEPLETION. WETDPLT = F
- \* Stack-tip Downwash.
- \* Model Accounts for ELEVated Terrain Effects.
- \* Use Calms Processing Routine.
- \* Use Missing Data Processing Routine.
- \* No Exponential Decay.
- \* Model Uses URBAN Dispersion Algorithm for the SBL for 60 Source(s),  
for Total of 1 Urban Area(s):  
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- \* Urban Roughness Length of 1.0 Meter Used.
- \* ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET
- \* CCVR\_Sub - Meteorological data includes CCVR substitutions
- \* TEMP\_Sub - Meteorological data includes TEMP substitutions
- \* Model Accepts FLAGPOLE Receptor . Heights.
- \* The User Specified a Pollutant Type of: PM\_2.5

\*\*Model Calculates 1 Short Term Average(s) of: 24-HR

\*\*This Run Includes: 60 Source(s); 1 Source Group(s); and 121  
Receptor(s)

```
with: 0 POINT(s), including
 0 POINTCAP(s) and 0 POINTHOR(s)
and: 60 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)
```

```
**Model Set To Continue RUNning After the Setup Testing.
```

```
**The AERMET Input Meteorological Data Version Date: 16216
```

```
**Output Options Selected:
```

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE  
Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE  
Keyword)

**\*\*NOTE:** The Following Flags May Appear Following CONC Values:

|                  |
|------------------|
| c for Calm Hours |
| m for Missing    |
| b for Both Calm  |

Hours

and Missing Hours

```

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 245.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
 Emission Units = GRAMS/SEC
Emission Rate Unit Factor = 0.10000E+07
 Output Units = MICROGRAMS/M**3

```

```
**Approximate Storage Requirements of Model = 3.6 MB of RAM.
```

```
**Input Runstream File: aermod.inp
```

```
**Output Print File: aermod.out
```

**\*\*Detailed Error/Message File:** 12630 Ops PM25.err

```
**File for Summary of Results: 12630 Ops PM25.sum
```

```

^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** ***
*** 10:53:06

```



\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

## \*\*\* VOLUME SOURCE DATA \*\*\*

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE     |           | BASE     | RELEASE  | INIT.    |
|----------|--------|----------|-------------|----------|-----------|----------|----------|----------|
| SOURCE   |        | EMISSION | RATE        | AIRCRAFT |           | ELEV.    | HEIGHT   | SY       |
| SZ       | SOURCE | SCALAR   | VARY        | X        | Y         | (METERS) | (METERS) | (METERS) |
| ID       |        | CATS.    | BY          |          |           |          |          |          |
| (METERS) |        |          |             |          |           |          |          |          |
| VOL1     |        | 0        | 0.41453E-03 | 439309.7 | 3748858.4 | 161.2    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL2     |        | 0        | 0.41453E-03 | 439374.1 | 3748922.8 | 156.9    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL3     |        | 0        | 0.41453E-03 | 439455.8 | 3748932.3 | 154.2    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL4     |        | 0        | 0.41453E-03 | 439463.2 | 3748879.4 | 157.8    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL5     |        | 0        | 0.41453E-03 | 439391.1 | 3748849.2 | 160.8    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL6     |        | 0        | 0.41453E-03 | 439538.2 | 3748941.9 | 153.6    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL7     |        | 0        | 0.41453E-03 | 439791.3 | 3748855.1 | 157.4    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL8     |        | 0        | 0.41453E-03 | 439711.1 | 3748854.3 | 157.5    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL9     |        | 0        | 0.41453E-03 | 439633.1 | 3748853.6 | 157.8    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL10    |        | 0        | 0.41453E-03 | 439551.5 | 3748852.1 | 158.7    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL11    |        | 0        | 0.41453E-03 | 439793.5 | 3748775.6 | 163.2    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL12    |        | 0        | 0.41453E-03 | 439712.6 | 3748774.9 | 161.4    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL13    |        | 0        | 0.41453E-03 | 439632.4 | 3748774.1 | 162.3    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL14    |        | 0        | 0.41453E-03 | 439552.2 | 3748773.4 | 163.9    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL15    |        | 0        | 0.41453E-03 | 439472.0 | 3748772.7 | 162.2    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL16    |        | 0        | 0.41453E-03 | 439391.1 | 3748771.9 | 164.9    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL17    |        | 0        | 0.41453E-03 | 439310.8 | 3748769.7 | 165.6    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |

|       |     |       |             |          |           |       |      |       |
|-------|-----|-------|-------------|----------|-----------|-------|------|-------|
| VOL18 |     | 0     | 0.41453E-03 | 439121.8 | 3748688.0 | 178.0 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL19 |     | 0     | 0.41453E-03 | 439202.7 | 3748688.0 | 176.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL20 |     | 0     | 0.41453E-03 | 439283.6 | 3748689.5 | 171.6 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL21 |     | 0     | 0.41453E-03 | 439365.3 | 3748690.3 | 170.7 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL22 |     | 0     | 0.41453E-03 | 439447.0 | 3748692.5 | 169.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL23 |     | 0     | 0.41453E-03 | 439528.6 | 3748693.9 | 171.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL24 |     | 0     | 0.41453E-03 | 439610.3 | 3748694.7 | 167.8 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL25 |     | 0     | 0.41453E-03 | 439692.0 | 3748693.2 | 166.4 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL26 |     | 0     | 0.41453E-03 | 439772.9 | 3748693.2 | 175.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL27 |     | 0     | 0.41453E-03 | 439823.0 | 3748613.0 | 188.7 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL28 |     | 0     | 0.41453E-03 | 439743.5 | 3748613.7 | 173.3 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL29 |     | 0     | 0.41453E-03 | 439662.6 | 3748613.0 | 177.5 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL30 |     | 0     | 0.41453E-03 | 439583.1 | 3748613.7 | 177.6 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL31 |     | 0     | 0.41453E-03 | 439502.2 | 3748613.7 | 180.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL32 |     | 0     | 0.41453E-03 | 439421.2 | 3748613.0 | 175.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL33 |     | 0     | 0.41453E-03 | 439341.8 | 3748613.7 | 180.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL34 |     | 0     | 0.41453E-03 | 439260.8 | 3748613.7 | 185.5 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL35 |     | 0     | 0.41453E-03 | 439180.6 | 3748611.5 | 196.9 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL36 |     | 0     | 0.41453E-03 | 439132.8 | 3748609.3 | 188.4 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL37 |     | 0     | 0.41453E-03 | 439132.1 | 3748527.6 | 198.2 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL38 |     | 0     | 0.41453E-03 | 439213.0 | 3748528.4 | 207.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL39 |     | 0     | 0.41453E-03 | 439291.7 | 3748530.6 | 210.0 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |
| VOL40 |     | 0     | 0.41453E-03 | 439372.7 | 3748531.3 | 192.5 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW | NO          |          |           |       |      |       |

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\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*  
 10:53:06

\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

## \*\*\* VOLUME SOURCE DATA \*\*\*

| INIT.    | URBAN  | NUMBER   | EMISSION    | RATE     |           | BASE     | RELEASE  | INIT.    |
|----------|--------|----------|-------------|----------|-----------|----------|----------|----------|
| SOURCE   |        | EMISSION | RATE        | AIRCRAFT |           | ELEV.    | HEIGHT   | SY       |
| SZ       | SOURCE | PART.    | (GRAMS/SEC) | X        | Y         | (METERS) | (METERS) | (METERS) |
| ID       |        | SCALAR   | VARY        |          |           |          |          |          |
| (METERS) |        | CATS.    | BY          | (METERS) | (METERS)  | (METERS) | (METERS) | (METERS) |
| VOL41    |        | 0        | 0.41453E-03 | 439453.6 | 3748530.6 | 191.1    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL42    |        | 0        | 0.41453E-03 | 439535.3 | 3748532.8 | 202.2    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL43    |        | 0        | 0.41453E-03 | 439616.2 | 3748533.5 | 177.1    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL44    |        | 0        | 0.41453E-03 | 439697.1 | 3748532.8 | 199.9    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL45    |        | 0        | 0.41453E-03 | 439778.1 | 3748535.0 | 179.0    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL46    |        | 0        | 0.41453E-03 | 439821.5 | 3748532.1 | 188.4    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL48    |        | 0        | 0.41453E-03 | 439213.7 | 3748448.2 | 212.3    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL49    |        | 0        | 0.41453E-03 | 439293.9 | 3748449.6 | 227.8    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL50    |        | 0        | 0.41453E-03 | 439373.4 | 3748451.1 | 194.2    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL51    |        | 0        | 0.41453E-03 | 439452.9 | 3748449.6 | 203.1    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL52    |        | 0        | 0.41453E-03 | 439534.5 | 3748451.1 | 219.0    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL53    |        | 0        | 0.41453E-03 | 439614.7 | 3748453.3 | 186.1    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL54    |        | 0        | 0.41453E-03 | 439696.4 | 3748454.8 | 204.9    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL55    |        | 0        | 0.41453E-03 | 439780.3 | 3748453.3 | 199.6    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL58    |        | 0        | 0.41453E-03 | 439290.2 | 3748369.4 | 229.3    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL59    |        | 0        | 0.41453E-03 | 439370.4 | 3748369.4 | 199.2    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |
| VOL60    |        | 0        | 0.41453E-03 | 439451.4 | 3748370.9 | 231.2    | 5.00     | 18.65    |
| 1.40     | YES    | HRDOW    | NO          |          |           |          |          |          |

|       |     |             |          |           |       |      |       |
|-------|-----|-------------|----------|-----------|-------|------|-------|
| VOL61 | 0   | 0.41453E-03 | 439533.8 | 3748370.9 | 220.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW       | NO       |           |       |      |       |
| VOL62 | 0   | 0.41453E-03 | 439614.0 | 3748373.1 | 193.7 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW       | NO       |           |       |      |       |
| VOL63 | 0   | 0.41453E-03 | 439693.5 | 3748374.6 | 208.1 | 5.00 | 18.65 |
| 1.40  | YES | HRDOW       | NO       |           |       |      |       |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

| SRCGROUP ID |         | SOURCE IDs |         |         |         |  |  |
|-------------|---------|------------|---------|---------|---------|--|--|
| -----       |         | -----      |         |         |         |  |  |
| ALL         | VOL1    | , VOL2     | , VOL3  | , VOL4  | , VOL5  |  |  |
| VOL6        | , VOL7  | , VOL8     | ,       |         |         |  |  |
|             | VOL9    | , VOL10    | , VOL11 | , VOL12 | , VOL13 |  |  |
| VOL14       | , VOL15 | , VOL16    | ,       |         |         |  |  |
|             | VOL17   | , VOL18    | , VOL19 | , VOL20 | , VOL21 |  |  |
| VOL22       | , VOL23 | , VOL24    | ,       |         |         |  |  |
|             | VOL25   | , VOL26    | , VOL27 | , VOL28 | , VOL29 |  |  |
| VOL30       | , VOL31 | , VOL32    | ,       |         |         |  |  |
|             | VOL33   | , VOL34    | , VOL35 | , VOL36 | , VOL37 |  |  |
| VOL38       | , VOL39 | , VOL40    | ,       |         |         |  |  |
|             | VOL41   | , VOL42    | , VOL43 | , VOL44 | , VOL45 |  |  |
| VOL46       | , VOL48 | , VOL49    | ,       |         |         |  |  |
|             | VOL50   | , VOL51    | , VOL52 | , VOL53 | , VOL54 |  |  |
| VOL55       | , VOL58 | , VOL59    | ,       |         |         |  |  |
|             | VOL60   | , VOL61    | , VOL62 | , VOL63 |         |  |  |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES

\*\*\*

| URBAN ID                                                                    | URBAN POP | SOURCE IDs |         |         |         |   |
|-----------------------------------------------------------------------------|-----------|------------|---------|---------|---------|---|
| -----                                                                       | -----     | -----      |         |         |         |   |
|                                                                             | 2189641.  | VOL1       | , VOL2  | , VOL3  | , VOL4  | , |
| VOL5                                                                        | , VOL6    | , VOL7     | ,       |         |         |   |
| VOL8                                                                        | ,         |            |         |         |         |   |
|                                                                             | VOL9      | , VOL10    | , VOL11 | , VOL12 | , VOL13 | , |
| VOL14                                                                       | , VOL15   | , VOL16    | ,       |         |         |   |
|                                                                             | VOL17     | , VOL18    | , VOL19 | , VOL20 | , VOL21 | , |
| VOL22                                                                       | , VOL23   | , VOL24    | ,       |         |         |   |
|                                                                             | VOL25     | , VOL26    | , VOL27 | , VOL28 | , VOL29 | , |
| VOL30                                                                       | , VOL31   | , VOL32    | ,       |         |         |   |
|                                                                             | VOL33     | , VOL34    | , VOL35 | , VOL36 | , VOL37 | , |
| VOL38                                                                       | , VOL39   | , VOL40    | ,       |         |         |   |
|                                                                             | VOL41     | , VOL42    | , VOL43 | , VOL44 | , VOL45 | , |
| VOL46                                                                       | , VOL48   | , VOL49    | ,       |         |         |   |
|                                                                             | VOL50     | , VOL51    | , VOL52 | , VOL53 | , VOL54 | , |
| VOL55                                                                       | , VOL58   | , VOL59    | ,       |         |         |   |
|                                                                             | VOL60     | , VOL61    | , VOL62 | , VOL63 | ,       |   |
| ▲ *** AERMOD - VERSION 23132 *** C:\Users\Michael Tirohn\Desktop\HRAs\12630 |           |            |         |         |         |   |
| Green River Ranch\12630 0 *** 06/11/24                                      |           |            |         |         |         |   |
| *** AERMET - VERSION 16216 ***                                              |           |            |         |         |         |   |
| *** 10:53:06                                                                |           |            |         |         |         |   |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

| SOURCE ID = VOL1 |        | ; SOURCE TYPE = VOLUME | :      |      |        |      |        |      |        |
|------------------|--------|------------------------|--------|------|--------|------|--------|------|--------|
| HOUR             | SCALAR | HOUR                   | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
| HOUR             | SCALAR | HOUR                   | SCALAR | HOUR | SCALAR |      |        |      |        |

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-----

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*      06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                                  \*\*\*      10:53:06

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\*\*\* MODELOPTs:    RegDFAULT   CONC   ELEV   FLGPOL   URBAN   ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

|                  |        |      |        |                        |        |      |        |      |        |
|------------------|--------|------|--------|------------------------|--------|------|--------|------|--------|
| SOURCE ID = VOL2 |        |      |        | ; SOURCE TYPE = VOLUME |        |      |        |      |        |
| HOUR             | SCALAR | HOUR | SCALAR | HOUR                   | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
| HOUR             | SCALAR | HOUR | SCALAR | HOUR                   | SCALAR |      |        |      |        |
| - - - - -        |        |      |        |                        |        |      |        |      |        |
| - - - - -        |        |      |        |                        |        |      |        |      |        |

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*  
 Green River Ranch\12630 0 \*\*\*  
 \*\*\* AERMET - VERSION 16216 \*\*\*

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 06/11/24  
 10:53:06

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .1000E+01 | 10   | .1000E+01 | 11   | .1000E+01 | 12   | .1000E+01 | 13   | .1000E+01 |
| 14   | .1000E+01 | 15   | .1000E+01 | 16   | .1000E+01 |      |           |      |           |
| 17   | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 | 21   | .0000E+00 |
| 22   | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |      |           |

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*  
 Green River Ranch\12630 0 \*\*\*  
 \*\*\* AERMET - VERSION 16216 \*\*\*

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 06/11/24  
 10:53:06

\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:53:06

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

|   |           |   |           |   |           |   |           |   |           |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 |
| 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |   |           |   |           |



|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*      06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
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\*\*\* MODELOPTs:    RegDFault   CONC   ELEV   FLGPOL   URBAN   ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

|                  |        |      |        |                        |        |      |        |      |        |
|------------------|--------|------|--------|------------------------|--------|------|--------|------|--------|
| SOURCE ID = 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 |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|

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6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:53:06

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

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SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:53:06

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
- - - - - DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
- - - - - DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:53:06

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:53:06

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

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14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:53:06

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

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SOURCE ID = 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
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:53:06

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .1000E+01 | 10   | .1000E+01 | 11   | .1000E+01 | 12   | .1000E+01 | 13   | .1000E+01 |
| 14   | .1000E+01 | 15   | .1000E+01 | 16   | .1000E+01 |      |           |      |           |
| 17   | .0000E+00 | 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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14   | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14   | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14   | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17   | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 | 21   | .0000E+00 |
| 22   | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |      |           |

\*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:53:06

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :

| 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

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 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:53:06

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

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22 .0000E+00 23 .0000E+00 24 .0000E+00  
 \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:53:06

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 - - - - -  
 - - - - -  
 DAY OF WEEK = WEEKDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
 14 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00  
 DAY OF WEEK = SATURDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00  
 DAY OF WEEK = SUNDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:53:06

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :



| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|------|--------|------|--------|------|--------|------|--------|------|--------|
| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |      |        |      |        |
| -    | -      | -    | -      | -    | -      | -    | -      | -    | -      |
| -    | -      | -    | -      | -    | -      | -    | -      | -    | -      |

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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 Green River Ranch\12630 0 \*\*\*      06/11/24  
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\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL17      ; SOURCE TYPE = VOLUME      :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|------|--------|------|--------|------|--------|------|--------|------|--------|
| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |      |        |      |        |
| -    | -      | -    | -      | -    | -      | -    | -      | -    | -      |
| -    | -      | -    | -      | -    | -      | -    | -      | -    | -      |

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|   |           |   |           |   |           |   |           |   |           |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|



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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR  
- - - - -  
DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00  
DAY OF WEEK = SATURDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00  
DAY OF WEEK = SUNDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -

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DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

```

14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

-----  
-----

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

-----  
-----

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 - - - - -

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01

14 .1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 | 9    | .1000E+01 | 10   | .1000E+01 |
| 11   | .1000E+01 | 12   | .1000E+01 | 13   | .1000E+01 | 14   | .1000E+01 | 15   | .1000E+01 |
| 16   | .1000E+01 | 17   | .0000E+00 | 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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 | 9    | .0000E+00 | 10   | .0000E+00 |
| 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 | 14   | .0000E+00 | 15   | .0000E+00 |
| 16   | .0000E+00 | 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 | 9    | .0000E+00 | 10   | .0000E+00 |
| 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 | 14   | .0000E+00 | 15   | .0000E+00 |
| 16   | .0000E+00 | 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 | 9    | .0000E+00 | 10   | .0000E+00 |
| 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 | 14   | .0000E+00 | 15   | .0000E+00 |
| 16   | .0000E+00 | 17   | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 |
| 21   | .0000E+00 | 22   | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |

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 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:53:06

\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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*** AERMET - VERSION 16216 *** ***
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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ U\*

|                   |        |      |        |                        |        |      |        |      |        |
|-------------------|--------|------|--------|------------------------|--------|------|--------|------|--------|
| 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 = SATURDAY

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
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\*\*\* MODELOPTs:    RegDFAULT   CONC   ELEV   FLGPOL   URBAN   ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

|                                                                                      |           |      |           |      |           |      |           |      |           |
|--------------------------------------------------------------------------------------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| SOURCE ID = VOL30                      ; SOURCE TYPE = VOLUME                      : |           |      |           |      |           |      |           |      |           |
| HOUR                                                                                 | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
| HOUR                                                                                 | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |      |           |      |           |
| -----                                                                                |           |      |           |      |           |      |           |      |           |
| DAY OF WEEK = WEEKDAY                                                                |           |      |           |      |           |      |           |      |           |
| 1                                                                                    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6                                                                                    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9                                                                                    | .1000E+01 | 10   | .1000E+01 | 11   | .1000E+01 | 12   | .1000E+01 | 13   | .1000E+01 |
| 14                                                                                   | .1000E+01 | 15   | .1000E+01 | 16   | .1000E+01 |      |           |      |           |
| 17                                                                                   | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 | 21   | .0000E+00 |
| 22                                                                                   | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |      |           |
| DAY OF WEEK = SATURDAY                                                               |           |      |           |      |           |      |           |      |           |
| 1                                                                                    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6                                                                                    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9                                                                                    | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14                                                                                   | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17                                                                                   | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 | 21   | .0000E+00 |
| 22                                                                                   | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |      |           |
| DAY OF WEEK = SUNDAY                                                                 |           |      |           |      |           |      |           |      |           |
| 1                                                                                    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6                                                                                    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9                                                                                    | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14                                                                                   | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17                                                                                   | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 | 21   | .0000E+00 |
| 22                                                                                   | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |      |           |

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\*\*\* MODELOPTs:    RegDFAULT   CONC   ELEV   FLGPOL   URBAN   ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01

```

14 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
 - - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
 14 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00

```

 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) \*

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

-----  
-----  
DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

-----  
-----  
DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00



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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
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Green River Ranch\12630 0 *** 06/11/24
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:53:06

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*



|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*      06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                                          \*\*\*      10:53:06

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\*\*\* MODELOPTs:      RegDFault    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL41                      ; SOURCE TYPE = VOLUME                      :  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR  
 - - - - -

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

^ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:53:06

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL42 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 - - - - -  
 - - - - -  
 DAY OF WEEK = WEEKDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
 14 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00  
 DAY OF WEEK = SATURDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00  
 DAY OF WEEK = SUNDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

^ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:53:06

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
 OF WEEK (HRDOW) \*

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*      06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                                  \*\*\*      10:53:06

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\*\*\* MODELOPTs:      RegDEFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL45                      ; SOURCE TYPE = VOLUME                      :  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR

- - - - -  
 - - - - -

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

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 Green River Ranch\12630 0 \*\*\*      06/11/24

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\*\*\* 10:53:06

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR  
- - - - -  
DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00  
DAY OF WEEK = SATURDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00  
DAY OF WEEK = SUNDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 10:53:06

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL48 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR  
- - - - -

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- - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
▲ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:53:06

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL49 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -

```

```

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24

\*\*\* AERMET - VERSION 16216 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL50 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24

\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\*

10:53:06

\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL51 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .1000E+01 | 10   | .1000E+01 | 11   | .1000E+01 | 12   | .1000E+01 | 13   | .1000E+01 |
| 14   | .1000E+01 | 15   | .1000E+01 | 16   | .1000E+01 |      |           |      |           |
| 17   | .0000E+00 | 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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14   | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14   | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17   | .0000E+00 | 18   | .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    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .0000E+00 | 10   | .0000E+00 | 11   | .0000E+00 | 12   | .0000E+00 | 13   | .0000E+00 |
| 14   | .0000E+00 | 15   | .0000E+00 | 16   | .0000E+00 |      |           |      |           |
| 17   | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 | 21   | .0000E+00 |
| 22   | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |      |           |

\*\*\* AERMOD - VERSION 23132 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\* 06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 10:53:06

\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL52 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|------|--------|------|--------|------|--------|------|--------|------|--------|
| 1    |        | 2    |        | 3    |        | 4    |        | 5    |        |
| 6    |        | 7    |        | 8    |        |      |        |      |        |
| 9    |        | 10   |        | 11   |        | 12   |        | 13   |        |
| 14   |        | 15   |        | 16   |        |      |        |      |        |
| 17   |        | 18   |        | 19   |        | 20   |        | 21   |        |
| 22   |        | 23   |        | 24   |        |      |        |      |        |

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
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 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
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\*\*\* MODELOPTs:    RegDFAULT   CONC   ELEV   FLGPOL   URBAN   ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

|                   |        |      |        |                        |        |      |        |      |        |
|-------------------|--------|------|--------|------------------------|--------|------|--------|------|--------|
| SOURCE ID = VOL53 |        |      |        | ; SOURCE TYPE = VOLUME |        |      |        |      |        |
| HOUR              | SCALAR | HOUR | SCALAR | HOUR                   | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
| HOUR              | SCALAR | HOUR | SCALAR | HOUR                   | SCALAR |      |        |      |        |
| - - - - -         |        |      |        |                        |        |      |        |      |        |
| - - - - -         |        |      |        |                        |        |      |        |      |        |

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*  
 Green River Ranch\12630 0 \*\*\*  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = VOL54 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    | HOUR | SCALAR    |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | .0000E+00 | 2    | .0000E+00 | 3    | .0000E+00 | 4    | .0000E+00 | 5    | .0000E+00 |
| 6    | .0000E+00 | 7    | .0000E+00 | 8    | .0000E+00 |      |           |      |           |
| 9    | .1000E+01 | 10   | .1000E+01 | 11   | .1000E+01 | 12   | .1000E+01 | 13   | .1000E+01 |
| 14   | .1000E+01 | 15   | .1000E+01 | 16   | .1000E+01 |      |           |      |           |
| 17   | .0000E+00 | 18   | .0000E+00 | 19   | .0000E+00 | 20   | .0000E+00 | 21   | .0000E+00 |
| 22   | .0000E+00 | 23   | .0000E+00 | 24   | .0000E+00 |      |           |      |           |

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*  
 Green River Ranch\12630 0 \*\*\*  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL55 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 |
| 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SATURDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

DAY OF WEEK = SUNDAY

|    |           |    |           |    |           |    |           |    |           |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1  | .0000E+00 | 2  | .0000E+00 | 3  | .0000E+00 | 4  | .0000E+00 | 5  | .0000E+00 |
| 6  | .0000E+00 | 7  | .0000E+00 | 8  | .0000E+00 |    |           |    |           |
| 9  | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 |
| 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |    |           |    |           |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 |
| 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |    |           |    |           |

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:53:06

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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 |    |           |    |           |

\*\*\* AERMOD - VERSION 23132 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
 Green River Ranch\12630 0 \*\*\*      06/11/24  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
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\*\*\* MODELOPTs:    RegDFault   CONC   ELEV   FLGPOL   URBAN   ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

|                                                                                  |        |      |        |      |        |      |        |      |        |
|----------------------------------------------------------------------------------|--------|------|--------|------|--------|------|--------|------|--------|
| SOURCE ID = 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 |
|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|

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6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = 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
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:53:06

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL61 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
- - - - - DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
- - - - - DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

```

SOURCE ID = VOL62 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01

```



17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24

\*\*\* AERMET - VERSION 16216 \*\*\*  
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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY  
OF WEEK (HRDOW) \*

SOURCE ID = VOL63 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -  
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

```

14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:53:06

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
(METERS)

```

(439260.0, 3749072.6, 149.6, 1142.1, 2.0); (439277.6,
3749070.7, 149.3, 1142.1, 2.0);
(439298.4, 3749082.1, 148.2, 1142.1, 2.0); (439312.1,
3749091.1, 147.4, 1142.1, 2.0);
(439321.9, 3749098.5, 146.8, 1142.1, 2.0); (439240.7,
3749074.7, 149.8, 1142.1, 2.0);
(439217.6, 3749084.1, 149.2, 1142.1, 2.0); (439205.3,
3749089.8, 148.8, 1142.1, 2.0);
(439192.1, 3749096.3, 148.3, 1142.1, 2.0); (439179.5,
3749103.1, 147.9, 1142.1, 2.0);
(439169.9, 3749108.1, 147.6, 1142.1, 2.0); (439157.1,
3749113.7, 147.2, 1142.1, 2.0);
(439137.6, 3749079.0, 150.0, 1142.1, 2.0); (439113.3,
3749079.2, 150.5, 1142.1, 2.0);
(439099.8, 3749078.8, 150.5, 1142.1, 2.0); (439085.4,
3749079.0, 150.6, 1142.1, 2.0);
(439071.9, 3749078.8, 150.9, 1142.1, 2.0); (439045.6,
3749077.6, 152.1, 1142.1, 2.0);
(438992.4, 3749075.4, 153.1, 1142.1, 2.0); (438978.2,
3749072.7, 153.3, 1142.1, 2.0);
(438963.0, 3749071.1, 153.5, 1142.1, 2.0); (438947.1,
3749069.1, 153.6, 1142.1, 2.0);
(438932.4, 3749067.4, 153.6, 1142.1, 2.0); (438917.5,
3749065.3, 153.7, 1142.1, 2.0);
(438902.8, 3749063.1, 153.6, 1142.1, 2.0); (438888.1,
3749060.2, 153.2, 1142.1, 2.0);
(438870.8, 3749057.6, 153.0, 1142.1, 2.0); (438854.9,
3749058.0, 153.0, 1142.1, 2.0);
(438838.0, 3749060.2, 153.3, 1142.1, 2.0); (438779.5,
3749017.8, 155.3, 1142.1, 2.0);
(438784.5, 3749046.0, 155.3, 1142.1, 2.0); (438762.9,
3749004.6, 155.4, 1142.1, 2.0);
(438815.8, 3749066.2, 153.8, 1142.1, 2.0); (439042.5,
3748895.5, 160.7, 1142.1, 2.0);
(439038.5, 3748865.8, 163.8, 1142.1, 2.0); (438999.1,

```

|             |            |         |         |       |             |
|-------------|------------|---------|---------|-------|-------------|
| 3748811.4,  | 169.3,     | 1142.1, | 2.0);   |       |             |
| ( 438921.2, | 3748750.7, | 169.3,  | 1142.1, | 2.0); | ( 438794.0, |
| 3748719.9,  | 136.3,     | 1142.1, | 2.0);   |       |             |
| ( 438730.9, | 3748880.7, | 139.1,  | 1142.1, | 2.0); | ( 438748.5, |
| 3748863.0,  | 139.0,     | 1142.1, | 2.0);   |       |             |
| ( 438764.6, | 3748843.8, | 139.2,  | 1142.1, | 2.0); | ( 438785.5, |
| 3748816.7,  | 136.1,     | 1142.1, | 2.0);   |       |             |
| ( 438805.1, | 3748788.0, | 136.7,  | 1142.1, | 2.0); | ( 438803.2, |
| 3748750.8,  | 136.5,     | 1142.1, | 2.0);   |       |             |
| ( 438788.4, | 3748703.2, | 136.7,  | 1142.1, | 2.0); | ( 438780.5, |
| 3748674.0,  | 136.6,     | 1142.1, | 2.0);   |       |             |
| ( 438768.9, | 3748645.4, | 136.5,  | 1142.1, | 2.0); | ( 438751.6, |
| 3748620.5,  | 135.7,     | 1142.1, | 2.0);   |       |             |
| ( 438730.3, | 3748595.8, | 135.0,  | 1142.1, | 2.0); | ( 438712.2, |
| 3748572.0,  | 133.7,     | 1142.1, | 2.0);   |       |             |
| ( 438693.5, | 3748548.8, | 131.9,  | 1142.1, | 2.0); | ( 438676.8, |
| 3748525.0,  | 131.1,     | 1142.1, | 2.0);   |       |             |
| ( 438655.8, | 3748497.8, | 131.0,  | 1142.1, | 2.0); | ( 438639.1, |
| 3748475.7,  | 131.4,     | 1142.1, | 2.0);   |       |             |
| ( 438619.5, | 3748452.5, | 131.5,  | 1142.1, | 2.0); | ( 438600.3, |
| 3748429.8,  | 131.6,     | 1142.1, | 2.0);   |       |             |
| ( 438580.7, | 3748404.6, | 131.1,  | 1142.1, | 2.0); | ( 438561.4, |
| 3748384.2,  | 131.1,     | 1142.1, | 2.0);   |       |             |
| ( 438540.8, | 3748363.8, | 131.1,  | 1142.1, | 2.0); | ( 438520.9, |
| 3748341.1,  | 131.1,     | 1142.1, | 2.0);   |       |             |
| ( 438500.0, | 3748320.4, | 130.5,  | 1142.1, | 2.0); | ( 438735.7, |
| 3748992.6,  | 156.9,     | 1142.1, | 2.0);   |       |             |
| ( 438675.3, | 3748985.1, | 148.4,  | 1142.1, | 2.0); | ( 439331.0, |
| 3749107.6,  | 146.2,     | 1142.1, | 2.0);   |       |             |
| ( 439341.9, | 3749117.1, | 145.5,  | 1142.1, | 2.0); | ( 439353.6, |
| 3749127.3,  | 144.5,     | 1142.1, | 2.0);   |       |             |
| ( 439366.1, | 3749137.4, | 143.4,  | 1142.1, | 2.0); | ( 439375.7, |
| 3749143.9,  | 142.6,     | 1142.1, | 2.0);   |       |             |
| ( 439388.4, | 3749153.5, | 141.3,  | 1142.1, | 2.0); | ( 439400.5, |
| 3749162.1,  | 140.2,     | 1142.1, | 2.0);   |       |             |
| ( 439413.6, | 3749169.9, | 139.5,  | 1142.1, | 2.0); | ( 439425.7, |
| 3749178.1,  | 138.9,     | 1142.1, | 2.0);   |       |             |
| ( 439449.6, | 3749192.9, | 138.5,  | 1142.1, | 2.0); | ( 439473.0, |
| 3749214.4,  | 138.5,     | 1142.1, | 2.0);   |       |             |
| ( 439800.8, | 3749040.5, | 147.5,  | 1142.1, | 2.0); | ( 439873.8, |
| 3748887.4,  | 156.3,     | 1142.1, | 2.0);   |       |             |
| ( 439887.6, | 3748802.5, | 161.9,  | 1142.1, | 2.0); | ( 440077.8, |
| 3748740.2,  | 180.5,     | 1142.1, | 2.0);   |       |             |
| ( 440019.2, | 3748682.1, | 178.2,  | 1142.1, | 2.0); | ( 439929.6, |
| 3748601.8,  | 215.7,     | 1142.1, | 2.0);   |       |             |
| ( 439955.0, | 3748605.9, | 216.9,  | 1142.1, | 2.0); | ( 439983.2, |
| 3748614.2,  | 213.8,     | 1142.1, | 2.0);   |       |             |
| ( 440006.2, | 3748617.4, | 211.2,  | 1142.1, | 2.0); | ( 440071.3, |
| 3748624.4,  | 201.1,     | 1142.1, | 2.0);   |       |             |
| ( 440087.9, | 3748639.6, | 190.9,  | 1142.1, | 2.0); | ( 440117.0, |

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3748767.0, 190.4, 1142.1, 2.0);
 (439940.2, 3748575.0, 215.8, 1142.1, 2.0); (439996.1,
3748506.2, 215.9, 1142.1, 2.0);
 (440023.3, 3748475.8, 213.2, 1142.1, 2.0); (440043.2,
3748463.8, 217.3, 1142.1, 2.0);
^ *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\12630
Green River Ranch\12630 0 *** 06/11/24
*** AERMET - VERSION 16216 *** ***
*** 10:53:06

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
(METERS)

```

 (440054.7, 3748448.5, 218.5, 1142.1, 2.0); (440063.5,
3748429.6, 219.1, 1142.1, 2.0);
 (440072.3, 3748414.8, 221.0, 1142.1, 2.0); (440083.8,
3748396.4, 222.7, 1142.1, 2.0);
 (440096.3, 3748378.8, 225.5, 1142.1, 2.0); (440105.1,
3748361.8, 227.1, 1142.1, 2.0);
 (440106.9, 3748342.8, 226.4, 1142.1, 2.0); (440120.8,
3748318.8, 231.8, 1142.1, 2.0);
 (440122.7, 3748286.9, 233.8, 1142.1, 2.0); (440117.3,
3748252.6, 235.6, 1142.1, 2.0);
 (440121.3, 3748218.1, 241.7, 1142.1, 2.0); (440128.1,
3748298.0, 235.1, 1142.1, 2.0);
 (440266.3, 3748117.4, 245.8, 1142.1, 2.0); (440165.5,
3747898.5, 272.1, 1142.1, 2.0);
 (440191.3, 3747915.0, 264.6, 1142.1, 2.0); (440206.6,
3747939.3, 273.8, 1142.1, 2.0);
 (440247.4, 3747944.8, 263.2, 1142.1, 2.0); (440266.7,
3747950.7, 259.8, 1142.1, 2.0);
 (440283.1, 3747959.7, 258.2, 1142.1, 2.0); (440300.0,
3747969.1, 258.9, 1142.1, 2.0);
 (440321.2, 3747989.1, 257.1, 1142.1, 2.0); (440293.3,
3748093.9, 240.7, 1142.1, 2.0);
 (440300.0, 3748071.1, 247.9, 1142.1, 2.0); (440307.9,
3748048.4, 252.5, 1142.1, 2.0);
 (440314.1, 3748028.4, 255.8, 1142.1, 2.0); (440320.0,
3748006.8, 260.3, 1142.1, 2.0);
 (440335.3, 3747569.2, 306.9, 1142.1, 2.0); (440507.2,
3748971.2, 177.2, 1142.1, 2.0);
 (439956.0, 3749044.3, 147.7, 1142.1, 2.0); (439952.9,
3748770.0, 164.0, 1142.1, 2.0);
 (438867.1, 3748863.2, 165.9, 1142.1, 2.0);

```

^ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630

```
*** AERMET - VERSION 16216 ***
*** 10:
```

\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

PROCESSING \*\*\*

[illegible]

CATEGORIES \*\*\*

\*\*\* UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED

(METERS/SEC)

10.80,

```

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*** AERMOD - VERSION 23132 ***
Green River Ranch\12630 0 ***
*** AERMET - VERSION 16216 ***

10:53:06

```

\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ U\*

DATA \*\*\*

Surface file: KRAL V9 ADJU\KRAL v9.SFC

Met Version: 16216  
Profile file: KRAL\_V9\_ADJU\KRAL\_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3171  
Name: UNKNOWN

Upper air station no.: 3190  
Name: UNKNOWN

Year: 2012

Year: 2012

First 24 hours of scalar data

| YR     | MO   | DY   | JDY  | HR    | H0    | U*    | W*     | DT/DZ  | ZICNV | ZIMCH | M-O    | LEN  | Z0   | BOWEN |
|--------|------|------|------|-------|-------|-------|--------|--------|-------|-------|--------|------|------|-------|
| ALBEDO | REF  | WS   | WD   | HT    | REF   | TA    | HT     |        |       |       |        |      |      |       |
| 12     | 01   | 01   | 1    | 01    | -25.6 | 0.266 | -9.000 | -9.000 | -999. | 330.  | 77.9   | 0.15 | 2.40 |       |
| 1.00   | 2.93 | 55.  | 10.1 | 288.1 | 2.0   |       |        |        |       |       |        |      |      |       |
| 12     | 01   | 01   | 1    | 02    | -26.8 | 0.277 | -9.000 | -9.000 | -999. | 351.  | 84.7   | 0.15 | 2.40 |       |
| 1.00   | 3.05 | 55.  | 10.1 | 287.0 | 2.0   |       |        |        |       |       |        |      |      |       |
| 12     | 01   | 01   | 1    | 03    | -21.5 | 0.221 | -9.000 | -9.000 | -999. | 250.  | 53.5   | 0.15 | 2.40 |       |
| 1.00   | 2.45 | 74.  | 10.1 | 284.2 | 2.0   |       |        |        |       |       |        |      |      |       |
| 12     | 01   | 01   | 1    | 04    | -22.0 | 0.227 | -9.000 | -9.000 | -999. | 260.  | 56.8   | 0.15 | 2.40 |       |
| 1.00   | 2.52 | 77.  | 10.1 | 285.9 | 2.0   |       |        |        |       |       |        |      |      |       |
| 12     | 01   | 01   | 1    | 05    | -20.0 | 0.206 | -9.000 | -9.000 | -999. | 225.  | 46.8   | 0.15 | 2.40 |       |
| 1.00   | 2.30 | 80.  | 10.1 | 285.4 | 2.0   |       |        |        |       |       |        |      |      |       |
| 12     | 01   | 01   | 1    | 06    | -14.4 | 0.171 | -9.000 | -9.000 | -999. | 170.  | 32.1   | 0.15 | 2.40 |       |
| 1.00   | 1.93 | 79.  | 10.1 | 287.0 | 2.0   |       |        |        |       |       |        |      |      |       |
| 12     | 01   | 01   | 1    | 07    | -14.9 | 0.174 | -9.000 | -9.000 | -999. | 174.  | 33.2   | 0.15 | 2.40 |       |
| 1.00   | 1.96 | 77.  | 10.1 | 284.2 | 2.0   |       |        |        |       |       |        |      |      |       |
| 12     | 01   | 01   | 1    | 08    | -11.9 | 0.169 | -9.000 | -9.000 | -999. | 167.  | 36.1   | 0.15 | 2.40 |       |
| 0.53   | 1.89 | 77.  | 10.1 | 288.1 | 2.0   |       |        |        |       |       |        |      |      |       |
| 12     | 01   | 01   | 1    | 09    | 40.4  | 0.234 | 0.359  | 0.006  | 40.   | 272.  | -28.1  | 0.15 | 2.40 |       |
| 0.31   | 2.10 | 81.  | 10.1 | 289.2 | 2.0   |       |        |        |       |       |        |      |      |       |
| 12     | 01   | 01   | 1    | 10    | 112.6 | 0.246 | 0.742  | 0.005  | 129.  | 293.  | -11.8  | 0.15 | 2.40 |       |
| 0.24   | 1.99 | 101. | 10.1 | 296.4 | 2.0   |       |        |        |       |       |        |      |      |       |
| 12     | 01   | 01   | 1    | 11    | 161.0 | 0.402 | 1.188  | 0.005  | 369.  | 611.  | -35.6  | 0.15 | 2.40 |       |
| 0.21   | 3.68 | 78.  | 10.1 | 298.8 | 2.0   |       |        |        |       |       |        |      |      |       |
| 12     | 01   | 01   | 1    | 12    | 184.7 | 0.337 | 1.516  | 0.005  | 668.  | 473.  | -18.4  | 0.15 | 2.40 |       |
| 0.20   | 2.89 | 68.  | 10.1 | 300.4 | 2.0   |       |        |        |       |       |        |      |      |       |
| 12     | 01   | 01   | 1    | 13    | 183.9 | 0.310 | 1.809  | 0.005  | 1139. | 414.  | -14.2  | 0.15 | 2.40 |       |
| 0.20   | 2.57 | 64.  | 10.1 | 302.5 | 2.0   |       |        |        |       |       |        |      |      |       |
| 12     | 01   | 01   | 1    | 14    | 156.6 | 0.374 | 1.852  | 0.005  | 1434. | 549.  | -29.5  | 0.15 | 2.40 |       |
| 0.22   | 3.37 | 63.  | 10.1 | 303.1 | 2.0   |       |        |        |       |       |        |      |      |       |
| 12     | 01   | 01   | 1    | 15    | 104.3 | 0.382 | 1.658  | 0.005  | 1546. | 567.  | -47.2  | 0.15 | 2.40 |       |
| 0.25   | 3.59 | 62.  | 10.1 | 302.5 | 2.0   |       |        |        |       |       |        |      |      |       |
| 12     | 01   | 01   | 1    | 16    | 31.8  | 0.374 | 1.123  | 0.005  | 1573. | 550.  | -145.8 | 0.15 | 2.40 |       |
| 0.34   | 3.76 | 69.  | 10.1 | 300.9 | 2.0   |       |        |        |       |       |        |      |      |       |
| 12     | 01   | 01   | 1    | 17    | -23.3 | 0.276 | -9.000 | -9.000 | -999. | 354.  | 84.0   | 0.15 | 2.40 |       |

|          |      |       |       |        |        |       |      |  |      |      |      |  |
|----------|------|-------|-------|--------|--------|-------|------|--|------|------|------|--|
| 0.62     | 3.03 | 59.   | 10.1  | 297.5  | 2.0    |       |      |  |      |      |      |  |
| 12 01 01 | 1 18 | -21.5 | 0.229 | -9.000 | -9.000 | -999. | 264. |  | 57.8 | 0.15 | 2.40 |  |
| 1.00     | 2.54 | 54.   | 10.1  | 295.4  | 2.0    |       |      |  |      |      |      |  |
| 12 01 01 | 1 19 | -19.3 | 0.204 | -9.000 | -9.000 | -999. | 221. |  | 45.6 | 0.15 | 2.40 |  |
| 1.00     | 2.27 | 79.   | 10.1  | 292.0  | 2.0    |       |      |  |      |      |      |  |
| 12 01 01 | 1 20 | -20.7 | 0.218 | -9.000 | -9.000 | -999. | 244. |  | 52.2 | 0.15 | 2.40 |  |
| 1.00     | 2.42 | 79.   | 10.1  | 292.5  | 2.0    |       |      |  |      |      |      |  |
| 12 01 01 | 1 21 | -19.7 | 0.206 | -9.000 | -9.000 | -999. | 225. |  | 46.9 | 0.15 | 2.40 |  |
| 1.00     | 2.30 | 95.   | 10.1  | 290.9  | 2.0    |       |      |  |      |      |      |  |
| 12 01 01 | 1 22 | -17.6 | 0.190 | -9.000 | -9.000 | -999. | 199. |  | 39.8 | 0.15 | 2.40 |  |
| 1.00     | 2.13 | 78.   | 10.1  | 290.4  | 2.0    |       |      |  |      |      |      |  |
| 12 01 01 | 1 23 | -20.3 | 0.211 | -9.000 | -9.000 | -999. | 233. |  | 49.0 | 0.15 | 2.40 |  |
| 1.00     | 2.35 | 52.   | 10.1  | 289.2  | 2.0    |       |      |  |      |      |      |  |
| 12 01 01 | 1 24 | -16.4 | 0.183 | -9.000 | -9.000 | -999. | 189. |  | 37.0 | 0.15 | 2.40 |  |
| 1.00     | 2.06 | 75.   | 10.1  | 288.8  | 2.0    |       |      |  |      |      |      |  |

First hour of profile data

| YR | MO | DY | HR | HEIGHT | F | WDIR | WSPD | AMB_TMP | sigmaA | sigmaW | sigmaV |
|----|----|----|----|--------|---|------|------|---------|--------|--------|--------|
| 12 | 01 | 01 | 01 | 10.1   | 1 | 55.  | 2.93 | 288.2   | 99.0   | -99.00 | -99.00 |

F indicates top of profile (=1) or below (=0)

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 Green River Ranch\12630 0 \*\*\* 06/11/24  
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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION  
 VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): VOL1 , VOL2  
 , VOL3 , VOL4 , VOL5 ,  
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10  
 , VOL11 , VOL12 , VOL13 ,  
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18  
 , VOL19 , VOL20 , VOL21 ,  
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26  
 , VOL27 , VOL28 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

| X-COORD (M) | Y-COORD (M) | CONC       | (YYMMDDHH) | X-COORD (M) |
|-------------|-------------|------------|------------|-------------|
| Y-COORD (M) | CONC        | (YYMMDDHH) |            |             |
| -----       |             |            |            |             |

|            |            |            |            |           |
|------------|------------|------------|------------|-----------|
| 439259.97  | 3749072.65 | 0.03277    | (16010624) | 439277.61 |
| 3749070.69 | 0.03438    | (16010624) |            |           |
| 439298.40  | 3749082.06 | 0.03359    | (16010624) | 439312.13 |
| 3749091.08 | 0.03253    | (16010624) |            |           |
| 439321.93  | 3749098.54 | 0.03147    | (16010624) | 439240.72 |
| 3749074.67 | 0.03146    | (16010524) |            |           |
| 439217.60  | 3749084.06 | 0.02908    | (16010524) | 439205.31 |
| 3749089.84 | 0.02784    | (16010524) |            |           |
| 439192.07  | 3749096.35 | 0.02657    | (16010524) | 439179.54 |
| 3749103.09 | 0.02540    | (16010524) |            |           |
| 439169.91  | 3749108.15 | 0.02456    | (16010524) | 439157.14 |
| 3749113.69 | 0.02360    | (16010524) |            |           |
| 439137.63  | 3749079.00 | 0.02492    | (14121224) | 439113.31 |
| 3749079.24 | 0.02381    | (14121224) |            |           |
| 439099.82  | 3749078.76 | 0.02322    | (14121224) | 439085.37 |
| 3749079.00 | 0.02256    | (14121224) |            |           |
| 439071.88  | 3749078.76 | 0.02201    | (14121224) | 439045.63 |
| 3749077.56 | 0.02104    | (14121224) |            |           |
| 438992.40  | 3749075.39 | 0.01922    | (14121224) | 438978.19 |
| 3749072.74 | 0.01887    | (14121224) |            |           |
| 438963.01  | 3749071.06 | 0.01846    | (14121224) | 438947.12 |
| 3749069.13 | 0.01805    | (14121224) |            |           |
| 438932.42  | 3749067.44 | 0.01768    | (14121224) | 438917.49 |
| 3749065.27 | 0.01732    | (14121224) |            |           |
| 438902.80  | 3749063.11 | 0.01697    | (14121224) | 438888.11 |
| 3749060.22 | 0.01664    | (14121224) |            |           |
| 438870.76  | 3749057.57 | 0.01622    | (14121224) | 438854.87 |
| 3749058.05 | 0.01578    | (14121224) |            |           |
| 438838.01  | 3749060.22 | 0.01529    | (14121224) | 438779.48 |
| 3749017.83 | 0.01432    | (14121224) |            |           |
| 438784.54  | 3749046.01 | 0.01411    | (14121224) | 438762.86 |
| 3749004.58 | 0.01392    | (14121224) |            |           |
| 438815.85  | 3749066.24 | 0.01459    | (14121224) | 439042.50 |
| 3748895.54 | 0.02970    | (14121224) |            |           |
| 439038.53  | 3748865.79 | 0.03198    | (14121224) | 438999.14 |
| 3748811.38 | 0.03611    | (14121224) |            |           |
| 438921.22  | 3748750.74 | 0.02745    | (15112724) | 438794.05 |
| 3748719.90 | 0.01918    | (15112724) |            |           |
| 438730.91  | 3748880.70 | 0.01199    | (14121224) | 438748.55 |
| 3748863.05 | 0.01255    | (14121224) |            |           |
| 438764.63  | 3748843.83 | 0.01347    | (15112724) | 438785.55 |
| 3748816.73 | 0.01499    | (15112724) |            |           |
| 438805.14  | 3748787.97 | 0.01691    | (15112724) | 438803.16 |
| 3748750.85 | 0.01847    | (15112724) |            |           |
| 438788.42  | 3748703.24 | 0.01940    | (15112724) | 438780.49 |
| 3748674.05 | 0.01954    | (15112724) |            |           |
| 438768.87  | 3748645.43 | 0.01913    | (15112724) | 438751.58 |
| 3748620.50 | 0.01813    | (15112724) |            |           |
| 438730.33  | 3748595.84 | 0.01683    | (15112724) | 438712.19 |



|            |            |            |                      |
|------------|------------|------------|----------------------|
| 3748572.04 | 0.01591    | (14121624) |                      |
| 438693.49  | 3748548.80 | 0.01512    | (14121624) 438676.77 |
| 3748525.00 | 0.01439    | (14121624) |                      |
| 438655.80  | 3748497.80 | 0.01347    | (14121624) 438639.08 |
| 3748475.69 | 0.01307    | (16122924) |                      |
| 438619.53  | 3748452.46 | 0.01268    | (16122924) 438600.26 |
| 3748429.79 | 0.01227    | (16122924) |                      |
| 438580.71  | 3748404.57 | 0.01182    | (16122924) 438561.44 |
| 3748384.17 | 0.01136    | (16122924) |                      |
| 438540.75  | 3748363.76 | 0.01088    | (16122924) 438520.92 |
| 3748341.09 | 0.01041    | (16122924) |                      |
| 438499.95  | 3748320.41 | 0.00993    | (16122924) 438735.66 |
| 3748992.65 | 0.01313    | (14121224) |                      |
| 438675.26  | 3748985.08 | 0.01098    | (14121224) 439331.05 |
| 3749107.64 | 0.03005    | (16010624) |                      |
| 439341.93  | 3749117.09 | 0.02856    | (16010624) 439353.60 |
| 3749127.33 | 0.02687    | (16010624) |                      |
| 439366.09  | 3749137.37 | 0.02523    | (16010624) 439375.72 |
| 3749143.92 | 0.02415    | (16010624) |                      |
| 439388.41  | 3749153.54 | 0.02259    | (16010624) 439400.49 |
| 3749162.14 | 0.02125    | (16010624) |                      |
| 439413.60  | 3749169.92 | 0.02007    | (16010624) 439425.68 |
| 3749178.11 | 0.01895    | (16010624) |                      |
| 439449.64  | 3749192.86 | 0.01776    | (13121924) 439473.05 |
| 3749214.38 | 0.01639    | (13121924) |                      |
| 439800.83  | 3749040.52 | 0.03222    | (13100924) 439873.79 |
| 3748887.43 | 0.07519m   | (13112124) |                      |
| 439887.64  | 3748802.52 | 0.07984    | (14111124) 440077.78 |
| 3748740.21 | 0.03366m   | (13112124) |                      |
| 440019.17  | 3748682.06 | 0.04181    | (12050124) 439929.64 |
| 3748601.76 | 0.05456    | (14111124) |                      |

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S): VOL1 , VOL2  
 , VOL3 , VOL4 , VOL5 ,  
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10  
 , VOL11 , VOL12 , VOL13 ,  
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18  
 , VOL19 , VOL20 , VOL21 ,  
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26  
 , VOL27 , VOL28 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC       | (YYMMDDHH) | X-COORD (M) |
|-------------|-------------|------------|------------|-------------|
| Y-COORD (M) | CONC        | (YYMMDDHH) |            |             |
| 439955.02   | 3748605.92  | 0.04696    | (14111124) | 439983.17   |
| 3748614.22  | 0.04299     | (12050124) |            |             |
| 440006.24   | 3748617.45  | 0.04061    | (12050124) | 440071.32   |
| 3748624.38  | 0.03536     | (12050124) |            |             |
| 440087.93   | 3748639.61  | 0.03463    | (12050124) | 440117.00   |
| 3748766.98  | 0.02974m    | (13112124) |            |             |
| 439940.25   | 3748575.00  | 0.05144    | (14111124) | 439996.09   |
| 3748506.23  | 0.04443     | (12042324) |            |             |
| 440023.32   | 3748475.77  | 0.04082    | (12042324) | 440043.16   |
| 3748463.78  | 0.03679     | (12042324) |            |             |
| 440054.70   | 3748448.55  | 0.03447    | (12042324) | 440063.47   |
| 3748429.62  | 0.03225     | (12042324) |            |             |
| 440072.29   | 3748414.84  | 0.03009    | (12042324) | 440083.83   |
| 3748396.38  | 0.02756     | (12042324) |            |             |
| 440096.29   | 3748378.84  | 0.02501    | (12042324) | 440105.06   |
| 3748361.76  | 0.02313     | (12113024) |            |             |
| 440106.91   | 3748342.84  | 0.02230    | (12113024) | 440120.75   |
| 3748318.84  | 0.02017     | (12113024) |            |             |
| 440122.71   | 3748286.94  | 0.01843    | (12113024) | 440117.33   |
| 3748252.65  | 0.01663     | (12113024) |            |             |
| 440121.30   | 3748218.07  | 0.01433    | (12113024) | 440128.10   |
| 3748298.00  | 0.01872     | (12113024) |            |             |
| 440266.27   | 3748117.44  | 0.00920    | (15092124) | 440165.45   |
| 3747898.52  | 0.00713     | (14120324) |            |             |
| 440191.34   | 3747915.00  | 0.00734    | (14120324) | 440206.64   |
| 3747939.32  | 0.00728     | (14120324) |            |             |
| 440247.44   | 3747944.82  | 0.00728    | (14120324) | 440266.66   |
| 3747950.70  | 0.00724     | (14120324) |            |             |
| 440283.14   | 3747959.73  | 0.00717    | (14120324) | 440300.01   |
| 3747969.14  | 0.00704     | (14120324) |            |             |
| 440321.20   | 3747989.15  | 0.00713c   | (12112824) | 440293.34   |
| 3748093.90  | 0.00859c    | (12112824) |            |             |
| 440300.01   | 3748071.14  | 0.00822c   | (12112824) | 440307.86   |
| 3748048.39  | 0.00787c    | (12112824) |            |             |
| 440314.13   | 3748028.38  | 0.00759c   | (12112824) | 440320.02   |
| 3748006.80  | 0.00730c    | (12112824) |            |             |
| 440335.28   | 3747569.25  | 0.00413    | (14120324) | 440507.19   |
| 3748971.21  | 0.01416m    | (13112124) |            |             |
| 439956.03   | 3749044.31  | 0.02357    | (13100924) | 439952.87   |
| 3748770.03  | 0.05240     | (14111124) |            |             |

438867.06 3748863.17 0.02094 (14121224)

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\*\*\* 10:53:06

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF HIGHEST 24-HR

RESULTS \*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M\*\*3

\*\*

| GROUP ID                      | AVERAGE CONC    | DATE       | RECEPTOR  |
|-------------------------------|-----------------|------------|-----------|
| (XR, YR, ZELEV, ZHILL, ZFLAG) | OF TYPE GRID-ID | (YYMMDDHH) |           |
| - - - - -                     | - - - - -       | - - - - -  | - - - - - |
| - - - - -                     | - - - - -       | - - - - -  | - - - - - |

ALL HIGH 1ST HIGH VALUE IS 0.07984 ON 14111124: AT ( 439887.64,  
3748802.52, 161.93, 1142.09, 2.00) DC

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
GP = GRIDPOLR  
DC = DISCCART  
DP = DISCPOLR

▲ \*\*\* AERMOD - VERSION 23132 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\12630  
Green River Ranch\12630 0 \*\*\* 06/11/24  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 10:53:06

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* Message Summary : AERMOD Model Execution \*\*\*

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)  
A Total of 2 Warning Message(s)  
A Total of 1638 Informational Message(s)  
  
A Total of 43848 Hours Were Processed

A Total of 1039 Calm Hours Identified

A Total of 599 Missing Hours Identified ( 1.37 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*  
\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
ME W186 1085 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used  
0.50  
ME W187 1085 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*  
\*\*\* AERMOD Finishes Successfully \*\*\*  
\*\*\*\*\*

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**APPENDIX 3.6:**

**FUEL VOC AND RISK CALCULATIONS**

| Emission Sources         | VOC Emission factor (lb/1,000 gal) | Annual Gasoline Throughput | Potential to Emit VOC (lb/day) |
|--------------------------|------------------------------------|----------------------------|--------------------------------|
| Loading                  | 0.15                               | 1,000,000                  | <b>1.22</b>                    |
| Breathing                | 0.024                              |                            |                                |
| Fueling (ORVR)           | 0.021                              |                            |                                |
| Spillage                 | 0.24                               |                            |                                |
| Hose Permeation          | 0.009                              |                            |                                |
| <b>Total Gasoline EF</b> | <b>0.444</b>                       |                            |                                |

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**APPENDIX 3.7:**  
**SCAQMD AMICUS BRIEF**

**S219783**

**IN THE SUPREME COURT OF CALIFORNIA**

---

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***

---

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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

**RECEIVED**

**APR - 8 2015**

**CLERK SUPREME COURT**

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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.

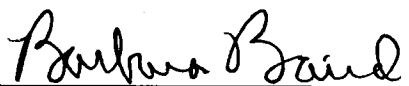
## **CERTIFICATION REGARDING AUTHORSHIP AND FUNDING**

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

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*SOUTH COAST AIR QUALITY*  
*MANAGEMENT DISTRICT*

## 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)<sup>1</sup>). However, “[a]nalysis of environmental effects need not be exhaustive, but will be judged in light of what is reasonably feasible.” (*Association of Irrigated 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

---

<sup>1</sup> 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).)<sup>2</sup>

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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<sup>2</sup> Particulate matter (PM) is further divided into two categories: fine particulate or PM<sub>2.5</sub> (particles with a diameter of less than or equal to 2.5 microns) and coarse particulate (PM<sub>10</sub>) (particles with a diameter of 10 microns or less). (U.S. EPA, Particulate Matter (PM), <http://www.epa.gov/airquality/particulatepollution/> (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.<sup>3</sup>

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<sup>3</sup> 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.<sup>4</sup> 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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<sup>4</sup> 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.4<sup>th</sup> 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 Irrigated 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](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<sup>5</sup>, 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<sub>x</sub>) 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<sub>x</sub> 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<sub>x</sub> 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,

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<sup>5</sup> 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<sub>x</sub> 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<sub>x</sub> 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.<sup>6</sup> The SCAQMD was able to correlate this very large emissions increase (e.g., 6,620 pounds per day NO<sub>x</sub> (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).<sup>7</sup> (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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<sup>6</sup> (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).)

<sup>7</sup> The SCAQMD was able to establish the location of future NO<sub>x</sub> 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<sub>x</sub> 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<sub>x</sub> 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<sub>x</sub> 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<sub>x</sub> 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<sub>2.5</sub>)<sup>8</sup>, 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<sub>2.5</sub>. (California Air Resources Board, *Health Impacts Analysis: PM Premature Death Relationship*, [http://www.arb.ca.gov/research/health/pm-mort/pm-mort\\_arch.htm](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<sub>2.5</sub> in the District, up to 2.82 tons/day (5,650 lbs/day of PM<sub>2.5</sub>, 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<sub>2.5</sub> health impact methodology is not suited for small projects and may yield unreliable results due to various uncertainties.<sup>9</sup> (SCAQMD, *Final Subsequent Mitigated Negative Declaration for: Warren*

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<sup>8</sup> SCAQMD has not attained the latest annual or 24-hour national ambient air quality standards for “PM<sub>2.5</sub>” or particulate matter less than 2.5 microns in diameter.

<sup>9</sup> 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<sub>2.5</sub> increases (3.8 lb/day) and a very small affected population, staff elected not to use the CARB methodology for using estimated PM<sub>2.5</sub> 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.<sup>10</sup>

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<sup>10</sup> 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.<sup>11</sup> 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.

<sup>11</sup> 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,<sup>12</sup> while Friant Ranch contends that the substantial evidence standard applies to this question.

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<sup>12</sup> 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,<sup>13</sup> containing two levels of inquiry that should be judged by different standards.<sup>14</sup>

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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<sup>13</sup> 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.

<sup>14</sup> 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.<sup>15</sup>)

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.4<sup>th</sup> 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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<sup>15</sup> 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.<sup>16</sup>

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<sup>16</sup> 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.4<sup>th</sup> 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.4<sup>th</sup> 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.4<sup>th</sup> 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.”<sup>17</sup>) 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,<sup>18</sup> 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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<sup>17</sup> Association of Environmental Professionals, 2015 CEQA Statute and Guidelines (2015) p.287.

<sup>18</sup> 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.<sup>19</sup> 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.4<sup>th</sup> 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).<sup>20</sup>

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<sup>19</sup> 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.

<sup>20</sup> 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.*)<sup>21</sup>

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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.

<sup>21</sup> 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.

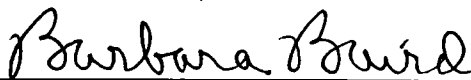
## CONCLUSION

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.

DATED: April 3, 2015

Respectfully submitted,

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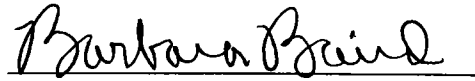


## **CERTIFICATE OF WORD COUNT**

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

## **PROOF OF SERVICE**

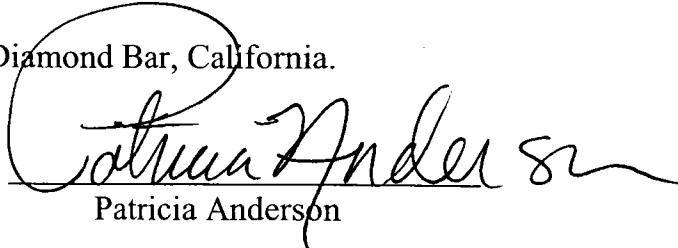
I am employed in the County of Los Angeles, California. I am over the age of 18 years and not a party to the within action. My business address is 21865 Copley Drive, Diamond Bar, California 91765.

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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