

**Air Quality and Greenhouse Gas Emissions
Analysis Technical Report
for the Idaho-Maryland Mine Project
Nevada County, California**

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Table of Contents

<u>SECTION</u>	<u>PAGE NO.</u>
ACRONYMS AND ABBREVIATIONS.....	II
EXECUTIVE SUMMARY	IV
1 INTRODUCTION.....	1
1.1 Report Purpose and Scope	1
1.2 Project Description	1
2 AIR QUALITY	3
2.1 Environmental Setting.....	3
2.1.1 Meteorological and Topographical Conditions.....	3
2.1.2 Pollutants and Effects	3
2.1.3 Sensitive Receptors.....	9
2.2 Regulatory Setting	10
2.2.1 Federal Regulations.....	10
2.2.2 State Regulations	11
2.2.3 Local Regulations	15
2.3 Regional and Local Air Quality Conditions	17
2.3.1 Attainment Designation.....	17
2.3.2 Local Ambient Air Quality.....	18
2.4 Significance Criteria and Methodology	19
2.4.1 Thresholds of Significance	19
2.4.2 Approach and Methodology	20
2.4.3 Applicant Proposed Measures	38
2.5 Impact Analysis.....	39
2.5.1 Threshold AQ-1.....	39
2.5.2 Threshold AQ-2.....	40
2.5.3 Threshold AQ-3.....	51
2.5.4 Threshold AQ-4.....	55
2.6 Emergency Generator Use During Public Safety Power Shutoffs	57
3 GREENHOUSE GAS EMISSIONS	59
3.1 Environmental Setting.....	59
3.1.1 Climate Change Overview.....	59
3.1.2 Greenhouse Gases	59
3.1.3 Global Warming Potential.....	61
3.2 Regulatory Setting	62
3.2.1 Federal Regulations.....	62
3.2.2 State Regulations	63

3.2.3	Local Regulations	74
3.3	Greenhouse Gas Inventories and Climate Change Conditions.....	74
3.3.1	Sources of Greenhouse Gas Emissions	74
3.3.2	Potential Effects of Climate Change	76
3.4	Significance Criteria and Methodology	78
3.4.1	Thresholds of Significance	78
3.4.2	Approach and Methodology	79
3.5	Impact Analysis.....	81
3.5.1	Threshold GHG-1.....	81
3.5.2	Threshold GHG-2.....	88
4	REFERENCES CITED	92
5	LIST OF PREPARERS.....	99

APPENDICES

A	Criteria Air Pollutant, Greenhouse Gas, and Toxic Air Contaminant Emissions
B	Health Risk Assessment
C	Health Effects of Criteria Air Pollutants
D	CO Hotspots Analysis

TABLES

Table 1.	Ambient Air Quality Standards.....	12
Table 2.	Local Ambient Air Quality Data	18
Table 3.	Northern Sierra Air Quality Management District Emission Significance Thresholds.....	20
Table 4.	Construction Off-Road Equipment Assumptions	21
Table 5.	Construction On-Road Off-Site Vehicle Trip Assumptions.....	22
Table 6.	Construction On-Road On-Site Vehicle Trip Assumptions	24
Table 7.	Operational Off-Road Equipment Assumptions.....	26
Table 8.	Operations Off-Site On-Road Vehicle Trip Assumptions.....	28
Table 9.	Operations On-Site On-Road Vehicle Trip Assumptions	29
Table 10.	Off-Road Equipment Assumptions – Logging and Chipping.....	32
Table 11.	On-Road Vehicle Trip Assumptions – Logging and Chipping.....	32
Table 12.	Reclamation Off-Road Equipment Assumptions.....	35
Table 13.	Reclamation On-Road Vehicle Trip Assumptions.....	35
Table 14.	Maximum Daily Project Emissions – Unmitigated	41
Table 15.	Maximum Daily Project Off-Site Mobile Source Emissions by Air District – Unmitigated	45
Table 16.	Maximum Daily Project Emissions – Mitigated	48

Table 17. Project Construction and Operational Health Risk Results.....	52
Table 18. CALINE4 Predicted Carbon Monoxide Concentrations	54
Table 19. Emergency Generator Emissions During 24-Hour Power Outage.....	58
Table 20. Six Top Greenhouse Gas Producer Countries and the European Union	75
Table 21. Greenhouse Gas Emissions Sources in California.....	75
Table 22. Estimated Annual Greenhouse Gas Emissions.....	82
Table 23. Estimated Annual Off-Site Mobile Source Greenhouse Gas Emissions by Air District	84
Table 24. Project Consistency with Nevada County Energy Action Plan Energy Reduction Measures.....	88

Acronyms and Abbreviations

Acronym/Abbreviation	Definition
µg/m ³	micrograms per cubic meter
AAQS	ambient air quality standards
AB	Assembly Bill
ADMP	Asbestos Dust Mitigation Plan
APM	Applicant Proposed Measure
ATCM	Airborne Toxic Control Measure
BAAQMD	Bay Area Air Quality Management District
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CALGreen	California's Green Building Standards
CAP	Climate Action Plan
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CH ₄	methane
CNRA	California Natural Resources Agency
CO	carbon monoxide
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
County	Nevada County
CPUC	California Public Utilities Commission
DPM	diesel particulate matter
EAP	Energy Action Plan
EO	Executive Order
EPA	U.S. Environmental Protection Agency
GHG	greenhouse gas
GWP	global warming potential
HAP	hazardous air pollutant
HFC	hydrofluorocarbon
hp	horsepower
HRA	health risk assessment
LCFS	Low Carbon Fuel Standard
MCAB	Mountain Counties Air Basin
MM	Mitigation Measure
MMT	million metric tons
MT	metric ton
N ₂ O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NCTC	Nevada County Transportation Commission
NF ₃	nitrogen trifluoride
NHTSA	National Highway Traffic Safety Administration
NID	Nevada Irrigation District
NO	nitric oxide

Acronym/Abbreviation	Definition
NO ₂	nitrogen dioxide
NO _x	oxides of nitrogen
NSAQMD	Northern Sierra Air Quality Management District
O ₃	ozone
PCAPCD	Placer County Air Pollution Control District
PCM	Phase Contrast Microscopy
PFC	perfluorocarbon
PG&E	Pacific Gas & Electric
PLM	Polarized Light Microscopy
PM ₁₀	particulate matter with an aerodynamic diameter less than or equal to 10 microns
PM _{2.5}	particulate matter with an aerodynamic diameter less than or equal to 2.5 microns
ppb	parts per billion
ppm	parts per million
PRC	California Public Resources Code
project	Idaho-Maryland Mine Project
Rise	Rise Grass Valley Inc.
ROG	reactive organic gas
RPS	Renewables Portfolio Standard
RTP	Regional Transportation Plan
SB	Senate Bill
SCAQMD	South Coast Air Quality Management District
SF ₆	sulfur hexafluoride
SLCP	Short-Lived Climate Pollutant
SMAQMD	Sacramento Metropolitan Air Quality Management District
SO ₂	sulfur dioxide
SO _x	sulfur oxides
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
TEM	Transmission Electron Microscopy
VMT	vehicle miles traveled
VOC	volatile organic compound

Executive Summary

The purpose of this technical report is to assess the potential air quality and greenhouse gas (GHG) emissions impacts associated with implementation of the Idaho-Maryland Mine Project (project) located within Nevada County. This assessment uses the significance thresholds in Appendix G of the California Environmental Quality Act (CEQA) Guidelines (14 CCR 15000 et seq.). Construction and operational criteria air pollutants, GHG emissions, and toxic air contaminants (TACs) were estimated based on a spreadsheet model that incorporated emission factors from the California Air Resources Board's OFFROAD2011 model for diesel-fueled off-road equipment, the California Air Resources Board's Mobile Source Emissions Inventory Model (EMFAC, version 2017) model for on-road vehicles, and factors from the Environmental Protection Agency's AP-42 and the California Emissions Estimator Model (CalEEMod) for all other sources.

Project Overview

The project site is located in western unincorporated Nevada County, California. The project would consist of the construction and operation of a gold mine. The above-ground facilities would be constructed to provide the infrastructure necessary to support dewatering, underground mining, ore and rock processing, and loading and transport off site. Engineered fill would be produced from the mine tailings and rock, which would be used as engineered fill on the Centennial Industrial Site and the Brunswick Industrial Site, as well as exported to support local construction projects.

Air Quality

The air quality impact analysis herein evaluated the potential for adverse impacts to air quality due to construction and operational emissions resulting from the project. Impacts were evaluated for their significance based on the Northern Sierra Air Quality Management District's (NSAQMD) mass daily criteria air pollutant thresholds of significance (NSAQMD 2021). Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards, or criteria, for outdoor concentrations to protect public health. Criteria air pollutants include ozone (O_3), nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide (SO_2), particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM_{10}), particulate matter with an aerodynamic diameter less than or equal to 2.5 microns ($PM_{2.5}$), and lead. Pollutants that are evaluated include reactive organic gases (ROG), oxides of nitrogen (NO_x), CO, sulfur oxides (SO_x), PM_{10} , and $PM_{2.5}$. ROG and NO_x are important because they are precursors to O_3 .

Air Quality Plan Consistency

The general criteria for determining if a project would conflict with or obstruct implementation of an Ozone Attainment Plan are (1) whether the project would exceed the NSAQMD CEQA thresholds of significance for O_3 precursors (ROG and NO_x) and could delay the timely attainment of the ambient air quality standards or interim emission reductions of the Ozone Attainment Plan, and/or (2) whether the project would result in demographic growth that would exceed the forecasts included in the Ozone Attainment Plan.

The project would not result in regional growth that is not accounted for within the Ozone Attainment Plan (NSAQMD 2018). However, per the NSAQMD, unmitigated project-generated criteria air pollutant emissions that are greater than zero (i.e., at Levels A, B, or C) are potentially significant and require mitigation. The NSAQMD has established numeric thresholds for ROG, NO_x , and PM_{10} . As presented in Threshold AQ-2, after implementation of mitigation,

emissions of ROG, NO_x, and PM₁₀ would be considered less than significant and would not conflict or obstruct implementation of the Ozone Attainment Plan.

Criteria Air Pollutant Emissions

For purposes of estimating project emissions, construction of the project is anticipated to occur over 12 months, from January 2021 through December 2021.¹ Sources of air pollutant emissions during construction would include exhaust from off-road equipment and on-road vehicles (i.e., trucks and worker vehicles); fugitive dust associated with vehicle travel over unpaved roads and compaction areas, material handling, bulldozer spreading, soil compaction, and wind erosion; emergency generator testing and maintenance; and ROG off-gassing from architectural coatings and asphalt paving. Many of the operational sources of air pollutant emissions would be similar to construction, and would include off-road equipment, on-road vehicles, emergency generator testing and maintenance, underground blasting and crushing, ore processing, reagent storage, fuel tank storage, earthwork and material handling, architectural coatings for repainting, and worker consumer products. Logging and chipping of trees would also occur intermittently at the Centennial and Brunswick Industrial sites, as engineered fill is placed.

During construction and operations, daily unmitigated emissions of ROG, NO_x, and PM₁₀ would be potentially significant (Level A or B) according to the NSAQMD significance criteria; therefore, mitigation is required. The NSAQMD does not have significance criteria for SO₂, CO, or PM_{2.5}. According to NSAQMD guidance, emissions exceeding the Level A significance threshold would contribute to existing nonattainment conditions and may also interfere with the region's ability to maintain ambient air quality standards if no mitigation is implemented. Per the NSAQMD, implementation of recommended mitigation measures for Level A and B thresholds would reduce project impacts from potentially significant to less than significant. Thus, ROG, NO_x, and PM₁₀ would be at either Level A or B and would be less than significant during all years of project construction and operation after implementation of MM-AQ-1 (Mitigations for Use During Construction) and MM-AQ-2 (Construction Exhaust Emissions Minimization Plan). Because construction and operation of the project would not exceed the NSAQMD significance thresholds for ROG, NO_x, or PM₁₀, and because the NSAQMD thresholds are based on levels that the MCAB can accommodate without affecting the attainment date for the Ambient Air Quality Standards (AAQS) (the AAQS are established to protect public health and welfare), it is anticipated that the project would result in less-than-significant health effects associated with ROG, NO_x, and PM₁₀.

Exposure of Sensitive Receptors

Project construction and operation activities would produce TAC emissions due to equipment, haul truck trips, diesel emergency generator testing and maintenance, and mining and soil movement. These emissions could result in elevated concentrations of TAC emissions at nearby receptors, which could lead to an increase in the risk of cancer or other health impacts. Chronic and acute risks associated with the project would be less-than-significant without mitigation. Cancer risk, however, would be significant without mitigation. With implementation of MM-AQ-2, the potential cancer risk would be reduced to a less-than-significant level. Also, since asbestos was found in lab

¹ The analysis assumes a construction start date of January 2021, which represents the earliest date construction had been anticipated to initiate during development of the analysis. Assuming the earliest start date for construction represents the worst-case scenario for criteria air pollutant and GHG emissions because equipment and vehicle emission factors for later years would be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years.

samples from the mine, APM-AQ-3 (Asbestos, Serpentine, and Ultramafic Rock Management Plan (ASUR Plan)) would be implemented and an Asbestos Dust Mitigation Plan would be required to limit potential exposure.

In regards to localized CO hotspots, the project would result in a minimal addition of on-road vehicles at proximate intersections. This impact would be less than significant without mitigation.

Odors

Land uses and industrial operations that typically are associated with odor complaints include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting, refineries, landfills, solid waste transfer stations, rendering plants, dairies, and fiberglass molding. The project does not propose the aforementioned odor-generating land uses and would not result in odors that would adversely affect a substantial number of people. This impact would be less than significant.

Greenhouse Gas Emissions

Global climate change is primarily considered a cumulative impact, but must also be evaluated on a project level under CEQA. A project participates in this potential impact through its incremental contribution combined with the cumulative increase of all other sources of GHG emissions. GHGs are gases that absorb infrared radiation in the atmosphere. Principal GHGs regulated under state and federal law and regulations include carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). GHG emissions are measured in metric tons (MT) of CO₂ equivalent (CO₂e), which accounts for weighted global warming potential factors for CH₄ and N₂O.

Project-Generated Construction and Operational Greenhouse Gas Emissions

Construction of the project would result in GHG emissions primarily associated with use of off-road construction equipment, on-road hauling and vendor (material delivery) trucks, worker vehicles, and emergency generator testing and maintenance. Additionally, GHG emissions would be associated with electricity supplied by PG&E for the underground mine equipment, water treatment, Nevada Irrigation District-supplied water for dust suppression, and raise boring. Sources of GHG emissions generated during project operations would include off-road equipment, on-road vehicles, emergency generator testing and maintenance, underground blasting, electricity use associated with facility consumption, Nevada Irrigation District conveyance of water to residences along the potable water line, septic field treatment of wastewater, and solid waste. Logging and chipping of trees would also occur intermittently at the Centennial and Brunswick Industrial sites, as engineered fill is placed.

At this time, neither the NSAQMD nor the County has adopted numerical thresholds of significance for GHG emissions that would apply to the project. The NSAQMD, however, recommends that all projects subject to CEQA review be considered in the context of GHG emissions and climate change impacts, and that CEQA documents include a quantification of GHG emissions from all project sources, as well as minimize GHG emissions as feasible. The NSAQMD has also indicated that project emissions of GHGs can be compared to thresholds adopted by other air districts based on substantial evidence, in order to provide additional information and context around the level of GHG emissions (NSAQMD 2019). For a conservative evaluation, the Sacramento Metropolitan Air Quality Management District construction GHG threshold of 1,100 MT CO₂e per year has been applied to project construction. For operations, since the project is an industrial project and includes stationary sources, the project's GHG emissions were compared to a 10,000 MT CO₂e per year quantitative threshold, which has been adopted by multiple air districts throughout California.

The project would not exceed the applied threshold of 10,000 MT CO₂e per year during operations. However, the project would exceed the 1,100 MT CO₂e per year threshold during construction, without mitigation. With implementation of MM-GHG-1 (Construction GHG Emissions Reductions) and MM-GHG-2 (Carbon Offsets – Construction Emissions), GHG emissions generated by project construction would be reduced and offset below the applied threshold and impacts would be less than significant.

Consistency with Applicable Greenhouse Gas Reduction Plans

Nevada County adopted an Energy Action Plan in February 2019, which includes goals to accelerate energy efficiency, renewable energy, and water efficiency projects by residents, businesses, and public agencies. However, the Energy Action Plan is not a Qualified GHG Emissions Reduction Plan under CEQA per the requirements outlined in the CEQA Guidelines, Section 15183.5(D); therefore, no CEQA document can tier from the Nevada County Energy Action Plan. As such, there are no mandatory GHG plans, policies, or regulations that would apply to implementation of the project. Nonetheless, the project would comply with the applicable strategies of the Energy Action Plan, as well as the growth assumptions included in the 2015–2035 Nevada County Regional Transportation Plan. In addition, to the extent these regulations are applicable to the project, the project would comply with all applicable regulations adopted in furtherance of the California Air Resources Board's Climate Change Scoping Plan and subsequent updates, as well as other GHG reduction regulations, to the extent required by law. As such, the project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs, and this impact would be less than significant; no mitigation is required.

1 Introduction

1.1 Report Purpose and Scope

The purpose of this technical report is to assess the potential air quality and greenhouse gas (GHG) emissions impacts associated with implementation of the proposed Idaho-Maryland Mine Project (project). This assessment uses the significance thresholds in Appendix G of the California Environmental Quality Act (CEQA) Guidelines (14 CCR 15000 et seq.), and is based on the emissions-based significance thresholds established by the Northern Sierra Air Quality Management District (NSAQMD).

This introductory section provides a description of the project. Chapter 2, Air Quality, describes the air quality-related environmental setting, regulatory setting, existing air quality conditions, and thresholds of significance and analysis methodology, and presents an air quality impact analysis per Appendix G of the CEQA Guidelines. Chapter 3, Greenhouse Gas Emissions, follows the same format as Chapter 2, and similarly describes the GHG emissions-related environmental setting, regulatory setting, existing climate changes conditions, and thresholds of significance and analysis methodology, and presents a GHG emissions impact analysis per Appendix G of the CEQA Guidelines. Chapter 4, References Cited, includes a list of the sources cited in this technical report, and Chapter 5, List of Preparers, includes a list of those who prepared this technical report.

1.2 Project Description

Rise Grass Valley Inc. (Rise) proposes to reinitiate underground mining and ore processing of the Idaho-Maryland Mine in unincorporated Nevada County (County). The proposed facilities and operations would be located on two properties owned by Rise, referred to as the Brunswick Industrial Site and the Centennial Industrial Site. The project would consist of five primary elements:

1. Dewatering the existing underground mine workings
2. Mining existing and new underground mine workings
3. Processing gold mineralization and rock
4. Placing engineered fill at the Brunswick and Centennial Industrial Sites
5. Export of engineered fill from the Brunswick Industrial Site to support local construction projects

Rise is seeking approval of a new use permit and reclamation plan to build and operate the facilities for these project elements. This use permit and reclamation plan proposes to allow the following:

- operation of pumps and a water treatment facility to dewater the underground workings;
- construction of a water pipeline to transport treated water to an outfall located in South Fork Wolf Creek;
- construction of the necessary aboveground facilities at the Brunswick Industrial Site (e.g., headframes and hoists, surface structures, a mineral processing plant) to support underground mining and mineral processing;
- construction of a new service shaft and ventilation shaft from the underground mine to the surface at the Brunswick Industrial Site;
- underground mining, including drilling, blasting, and gold mineralization removal;
- gold mineralization and rock processing at the Brunswick Industrial Site and off-site transport of gold concentrate;

- transport of engineered fill from the Brunswick Industrial Site and placement at the Centennial Industrial Site;
- transport of engineered fill from the Brunswick Industrial Site to off-site construction projects;
- placement of engineered fill at the Brunswick Industrial Site; and
- construction of a potable water pipeline to supply residences along a portion of East Bennett Road.

The majority of aboveground facilities, the access to the underground mining, the treated-water outfall structure, and a portion of the engineered fill will be located on Rise's 119-acre Brunswick Industrial Site. Engineered fill would also be placed on Rise's 56-acre Centennial Industrial Site. Of the total 175 acres in surface land holdings, approximately 104 acres would be disturbed as a result of construction of the facilities proposed to support dewatering, mining, and processing at the Idaho-Maryland Mine. In addition, Rise owns approximately 2,585 acres of subsurface rights that encompass the historic Idaho-Maryland Mine workings and Idaho-Maryland Mine Project. Once the aboveground facilities are constructed, Rise would begin dewatering the mine, performing advanced exploration, and mining the underground workings.

2 Air Quality

2.1 Environmental Setting

2.1.1 Meteorological and Topographical Conditions

Ambient air quality is generally affected by climatological conditions, the topography of the air basin, and the type and amounts of pollutants emitted. The project site is located within the Mountain Counties Air Basin (MCAB). The MCAB includes portions of Amador, Calaveras, El Dorado, Mariposa, Nevada, Placer, Plumas, Sierra, and Tuolumne Counties and is composed of seven air districts. Nevada, Plumas, and Sierra Counties are part of the NSAQMD.

The following description of meteorological and topographical characteristics of Nevada County is from Nevada County's General Plan Air Quality Element (Nevada County 1995):

Nevada County exhibits large variations in terrain and consequently exhibits large variations in climate, both of which affect air quality. The western portions of the County slope relatively gradually with deep river canyons running from southwest to northeast towards the crest of the Sierra Nevada Range. East of the divide, the slope of the Sierra is steeper, but river canyons are relatively shallow. The warmest areas within the County are found at the lower elevations along the west side of the County, while the coldest average temperatures are found at the highest elevations.

The prevailing wind direction over the County is westerly. However, the terrain of the area has a great influence on local winds, so that wide variability in wind direction can be expected. Afternoon winds are generally channeled up-canyon, while nighttime winds generally flow down-canyon. Winds are, in general, stronger in spring and summer and lower in fall and winter. Periods of calm winds and clear skies in fall and winter often result in strong, ground-based inversions forming in mountain valleys. These layers of very stable air restrict the dispersal of pollutants, trapping these pollutants near the ground, representing the worst conditions for local air pollution occurring in the County.

In addition to sources of air pollutants within the County, such as on-road vehicles, off-road equipment, fireplaces/wood stoves, vegetation burning, unpaved roads, and stationary sources, local air quality is also influenced by the transportation of emissions from the Sacramento metropolitan area to the mountainous areas to the east and north (Nevada County 1995).

2.1.2 Pollutants and Effects

2.1.2.1 Criteria Air Pollutants

Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards, or criteria, for outdoor concentrations to protect public health. The federal and state standards have been set, with an adequate margin of safety, at levels above which concentrations could be harmful to human health and welfare. These standards are designed to protect the most sensitive persons from illness or

discomfort. Pollutants of concern include ozone (O₃), nitrogen dioxide (NO₂), carbon monoxide (CO), sulfur dioxide (SO₂), particulate matter with an aerodynamic diameter equal to or less than 10 microns (PM₁₀), particulate matter with an aerodynamic diameter equal to or less than 2.5 microns (PM_{2.5}), and lead. These pollutants, as well as toxic air contaminants (TACs), are discussed in the following paragraphs.² In California, sulfates, vinyl chloride, hydrogen sulfide, and visibility-reducing particles are also regulated as criteria air pollutants.

Ozone. O₃ is a strong-smelling, pale blue, reactive, toxic chemical gas consisting of three oxygen atoms. It is a secondary pollutant formed in the atmosphere by a photochemical process involving the sun's energy and O₃ precursors. These precursors are mainly oxides of nitrogen (NO_x) and reactive organic gases (ROG) (also referred to as volatile organic compounds [VOCs]). The maximum effects of precursor emissions on O₃ concentrations usually occur several hours after they are emitted and many miles from the source. Meteorology and terrain play major roles in O₃ formation, and ideal conditions occur during summer and early autumn on days with low wind speeds or stagnant air, warm temperatures, and cloudless skies. O₃ exists in the upper atmosphere O₃ layer (stratospheric O₃) and at Earth's surface in the lower atmosphere (tropospheric O₃).³ The O₃ that the U.S. Environmental Protection Agency (EPA) and the California Air Resources Board (CARB) regulate as a criteria air pollutant is produced close to the ground level, where people live, exercise, and breathe. Ground-level O₃ is a harmful air pollutant that causes numerous adverse health effects and is thus considered "bad" O₃. Stratospheric, or "good," O₃ occurs naturally in the upper atmosphere, where it reduces the amount of ultraviolet light (i.e., solar radiation) entering the Earth's atmosphere. Without the protection of the beneficial stratospheric O₃ layer, plant and animal life would be seriously harmed.

O₃ in the troposphere causes numerous adverse health effects; short-term exposures (lasting for a few hours) to O₃ can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes (EPA 2013). Inhalation of O₃ causes inflammation and irritation of the tissues lining human airways, causing and worsening a variety of symptoms. Exposure to O₃ can reduce the volume of air that the lungs breathe in and cause shortness of breath. O₃ in sufficient doses increases the permeability of lung cells, rendering them more susceptible to toxins and microorganisms. The occurrence and severity of health effects from O₃ exposure vary widely among individuals, even when the dose and the duration of exposure are the same. Research shows adults and children who spend more time outdoors participating in vigorous physical activities are at greater risk from the harmful health effects of O₃ exposure. While there are relatively few studies of O₃'s effects on children, the available studies show that children are no more or less likely to suffer harmful effects than adults. However, there are a number of reasons why children may be more susceptible to O₃ and other pollutants. Children and teens spend nearly twice as much time outdoors and engaged in vigorous activities as adults. Children breathe more rapidly than adults and inhale more pollution per pound of their body weight than adults. Also, children are less likely than adults to notice their own symptoms and avoid harmful exposures. Further research may be able to better distinguish between health effects in children and adults. Children, adolescents and adults who exercise or work outdoors, where O₃ concentrations are the highest, are at the greatest risk of harm from this pollutant (CARB 2019b).

Nitrogen Dioxide. NO₂ is a brownish, highly reactive gas that is present in all urban atmospheres. The major mechanism for the formation of NO₂ in the atmosphere is the oxidation of the primary air pollutant nitric oxide (NO), which is a colorless, odorless gas. NO_x, which includes NO₂ and NO, plays a major role, together with ROG, in the

² The descriptions of the criteria air pollutants and associated health effects are based on the U.S. Environmental Protection Agency's "Criteria Air Pollutants" (EPA 2018a) and the California Air Resources Board's (CARB) "Glossary" (CARB 2019a), and CARB's "Fact Sheet: Air Pollution Sources, Effects and Control" (CARB 2009).

³ The troposphere is the layer of Earth's atmosphere nearest to the surface of Earth, extending outward approximately 5 miles at the poles and approximately 10 miles at the equator.

atmospheric reactions that produce O_3 . NO_x is formed from fuel combustion under high temperature or pressure. In addition, NO_2 is an important precursor to acid rain and may affect both terrestrial and aquatic ecosystems. The two major emissions sources are transportation and stationary fuel combustion sources (such as electric utility and industrial boilers).

A large body of health science literature indicates that exposure to NO_2 can induce adverse health effects. The strongest health evidence, and the health basis for the ambient air quality standards (AAQS) for NO_2 , results from controlled human exposure studies that show that NO_2 exposure can intensify responses to allergens in allergic asthmatics. In addition, a number of epidemiological studies have demonstrated associations between NO_2 exposure and premature death, cardiopulmonary effects, decreased lung function growth in children, respiratory symptoms, emergency room visits for asthma, and intensified allergic responses. Infants and children are particularly at risk because they have disproportionately higher exposure to NO_2 than adults due to their greater breathing rate for their body weight and their typically greater outdoor exposure duration. Several studies have shown that long-term NO_2 exposure during childhood, the period of rapid lung growth, can lead to smaller lungs at maturity in children with higher compared to lower levels of exposure. In addition, children with asthma have a greater degree of airway responsiveness compared with adult asthmatics. In adults, the greatest risk is to people who have chronic respiratory diseases, such as asthma and chronic obstructive pulmonary disease (CARB 2019c).

Carbon Monoxide. CO is a colorless, odorless gas formed by the incomplete combustion of hydrocarbon, or fossil fuels. CO is emitted almost exclusively from motor vehicles, power plants, refineries, industrial boilers, ships, aircraft, and trains. In urban areas, automobile exhaust accounts for the majority of CO emissions. CO is a nonreactive air pollutant that dissipates relatively quickly; therefore, ambient CO concentrations generally follow the spatial and temporal distributions of vehicular traffic. CO concentrations are influenced by local meteorological conditions—primarily wind speed, topography, and atmospheric stability. CO from motor vehicle exhaust can become locally concentrated when surface-based temperature inversions are combined with calm atmospheric conditions, which is a typical situation at dusk in urban areas from November through February. The highest levels of CO typically occur during the colder months, when inversion conditions are more frequent.

CO is harmful because it binds to hemoglobin in the blood, reducing the ability of blood to carry oxygen. This interferes with oxygen delivery to the body's organs. The most common effects of CO exposure are fatigue, headaches, confusion and reduced mental alertness, and light-headedness and dizziness due to inadequate oxygen delivery to the brain. For people with cardiovascular disease, short-term CO exposure can further reduce their body's already compromised ability to respond to the increased oxygen demands of exercise, exertion, or stress. Inadequate oxygen delivery to the heart muscle leads to chest pain and decreased exercise tolerance. Unborn babies whose mothers experience high levels of CO exposure during pregnancy are at risk of adverse developmental effects. Unborn babies, infants, older adults, and people with anemia or with a history of heart or respiratory disease are most likely to experience health effects with exposure to elevated levels of CO (CARB 2019d).

Sulfur Dioxide. SO_2 is a colorless, pungent gas formed primarily from incomplete combustion of sulfur-containing fossil fuels. The main sources of SO_2 are coal and oil used in power plants and industries; as such, the highest levels of SO_2 are generally found near large industrial complexes. In recent years, SO_2 concentrations have been reduced by the increasingly stringent controls placed on stationary source emissions of SO_2 and limits on the sulfur content of fuels.

Controlled human exposure and epidemiological studies show that children and adults with asthma are more likely to experience adverse responses with SO_2 exposure, compared with the non-asthmatic population. Effects at levels

near the 1-hour standard are those of asthma exacerbation, including bronchoconstriction accompanied by symptoms of respiratory irritation such as wheezing, shortness of breath and chest tightness, especially during exercise or physical activity. Also, exposure at elevated levels of SO₂ (above 1 parts per million [ppm]) results in increased incidence of pulmonary symptoms and disease, decreased pulmonary function, and increased risk of mortality. Older adults and people with cardiovascular disease or chronic lung disease (such as bronchitis or emphysema) are most likely to experience these adverse effects (CARB 2019e).

SO₂ is of concern both because it is a direct respiratory irritant and because it contributes to the formation of sulfate and sulfuric acid in particulate matter (NRC 2005). People with asthma are of particular concern because they have increased baseline airflow resistance and because their SO₂-induced increase in resistance is greater than in healthy people, and it increases with the severity of their asthma (NRC 2005). SO₂ is thought to induce airway constriction via neural reflexes involving irritant receptors in the airways (NRC 2005).

Particulate Matter. Particulate matter pollution consists of very small liquid and solid particles floating in the air, which can include smoke, soot, dust, salts, acids, and metals. Particulate matter can form when gases emitted from industries and motor vehicles undergo chemical reactions in the atmosphere. PM_{2.5} and PM₁₀ represent fractions of particulate matter. Coarse particulate matter (PM₁₀) is about 1/7 the thickness of a human hair. Major sources of PM₁₀ include crushing or grinding operations; dust stirred up by vehicles traveling on roads; wood-burning stoves and fireplaces; dust from construction, landfills, and agriculture; wildfires and brush/waste burning; industrial sources; windblown dust from open lands; and atmospheric chemical and photochemical reactions. Fine particulate matter (PM_{2.5}) is roughly 1/28 the diameter of a human hair. PM_{2.5} results from fuel combustion (e.g., from motor vehicles and power generation and industrial facilities), residential fireplaces, and woodstoves. In addition, PM_{2.5} can be formed in the atmosphere from gases such as sulfur oxides (SO_x), NO_x, and ROG.

PM_{2.5} and PM₁₀ pose a greater health risk than larger-size particles. When inhaled, these tiny particles can penetrate the human respiratory system's natural defenses and damage the respiratory tract. PM_{2.5} and PM₁₀ can increase the number and severity of asthma attacks, cause or aggravate bronchitis and other lung diseases, and reduce the body's ability to fight infections. Very small particles of substances such as lead, sulfates, and nitrates can cause lung damage directly or be absorbed into the blood stream, causing damage elsewhere in the body. Additionally, these substances can transport adsorbed gases such as chlorides or ammonium into the lungs, also causing injury. PM₁₀ tends to collect in the upper portion of the respiratory system, whereas PM_{2.5} is small enough to penetrate deeper into the lungs and damage lung tissue. Suspended particulates also produce haze and reduce regional visibility and damage and discolor surfaces on which they settle.

A number of adverse health effects have been associated with exposure to PM_{2.5} and PM₁₀. For PM_{2.5}, short-term exposures (up to 24 hours) have been associated with premature mortality, increased hospital admissions for heart or lung causes, acute and chronic bronchitis, asthma attacks, emergency room visits, respiratory symptoms, and restricted activity days. These adverse health effects have been reported primarily in infants, children, and older adults with preexisting heart or lung diseases. In addition, of all of the common air pollutants, PM_{2.5} is associated with the greatest proportion of adverse health effects related to air pollution, both in the United States and worldwide, based on the World Health Organization's Global Burden of Disease Project. Short-term exposures to PM₁₀ have been associated primarily with worsening of respiratory diseases, including asthma and chronic obstructive pulmonary disease, leading to hospitalization and emergency department visits (CARB 2017a).

Long-term (months to years) exposure to PM_{2.5} has been linked to premature death, particularly in people who have chronic heart or lung diseases, and reduced lung function growth in children. The effects of long-term exposure to

PM₁₀ are less clear, although several studies suggest a link between long-term PM₁₀ exposure and respiratory mortality. The International Agency for Research on Cancer published a review in 2015 that concluded that particulate matter in outdoor air pollution causes lung cancer (CARB 2017a).

Lead. Lead in the atmosphere occurs as particulate matter. Sources of lead include leaded gasoline; the manufacturing of batteries, paints, ink, ceramics, and ammunition; and secondary lead smelters. Prior to 1978, mobile emissions were the primary source of atmospheric lead. Between 1978 and 1987, the phase out of leaded gasoline reduced the overall inventory of airborne lead by nearly 95%. With the phase out of leaded gasoline, secondary lead smelters, battery recycling, and manufacturing facilities are becoming lead-emissions sources of greater concern.

Prolonged exposure to atmospheric lead poses a serious threat to human health. Health effects associated with exposure to lead include gastrointestinal disturbances, anemia, kidney disease, and, in severe cases, neuromuscular and neurological dysfunction. Of particular concern are low-level lead exposures during infancy and childhood. Such exposures are associated with decrements in neurobehavioral performance, including intelligence quotient performance, psychomotor performance, reaction time, and growth. Children are highly susceptible to the effects of lead.

Sulfates. Sulfates are the fully oxidized form of sulfur, which typically occur in combination with metals or hydrogen ions. Sulfates are produced from reactions of SO₂ in the atmosphere. Sulfates can result in respiratory impairment and reduced visibility.

Vinyl Chloride. Vinyl chloride is a colorless gas with a mild, sweet odor that has been detected near landfills, sewage plants, and hazardous waste sites due to the microbial breakdown of chlorinated solvents. Short-term exposure to high levels of vinyl chloride in air can cause nervous system effects, such as dizziness, drowsiness, and headaches. Long-term exposure through inhalation can cause liver damage, including liver cancer.

Hydrogen Sulfide. Hydrogen sulfide is a colorless and flammable gas that has a characteristic odor of rotten eggs. Sources of hydrogen sulfide include geothermal power plants, petroleum refineries, sewers, and sewage treatment plants. Exposure to hydrogen sulfide can result in nuisance odors, as well as headaches and breathing difficulties at higher concentrations.

Visibility-Reducing Particles. Visibility-reducing particles are any particles in the air that obstruct the range of visibility. Effects of reduced visibility can include obscuring the viewshed of natural scenery, reducing airport safety, and discouraging tourism. Sources of visibility-reducing particles are the same as for PM_{2.5} described above.

Reactive Organic Gases. Hydrocarbons are organic gases that are formed from hydrogen and carbon and sometimes other elements. Hydrocarbons that contribute to formation of O₃ are referred to and regulated as ROG. Combustion engine exhaust, oil refineries, and fossil-fueled power plants are the sources of hydrocarbons. Other sources of hydrocarbons include evaporation from petroleum fuels, solvents, dry cleaning solutions, and paint.

The primary health effects of ROG result from the formation of O₃ and its related health effects. High levels of ROG in the atmosphere can interfere with oxygen intake by reducing the amount of available oxygen through displacement. Carcinogenic forms of hydrocarbons, such as benzene, are considered TACs. There are no separate health standards for ROG as a group.

2.1.2.2 Non-Criteria Air Pollutants

Toxic Air Contaminants

A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute and/or chronic noncancer health effects. A toxic substance released into the air is considered a TAC. TACs are identified by federal and state agencies based on a review of available scientific evidence. In California, TACs are identified through a two-step process that was established in 1983 under the Toxic Air Contaminant Identification and Control Act. This two-step process of risk identification and risk management and reduction was designed to protect residents from the health effects of toxic substances in the air. In addition, the California Air Toxics “Hot Spots” Information and Assessment Act, Assembly Bill (AB) 2588, was enacted by the legislature in 1987 to address public concern over the release of TACs into the atmosphere. The law requires facilities emitting toxic substances to provide local air pollution control districts with information that will allow an assessment of the air toxics problem, identification of air toxics emissions sources, location of resulting hotspots, notification of the public exposed to significant risk, and development of effective strategies to reduce potential risks to the public over 5 years.

Examples include certain aromatic and chlorinated hydrocarbons, certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources, such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources, such as automobiles; and area sources, such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and noncarcinogenic effects. Noncarcinogenic effects typically affect one or more target organ systems and may be experienced on either short-term (acute) or long-term (chronic) exposure to a given TAC.

Diesel Particulate Matter

Diesel particulate matter (DPM) is part of a complex mixture that makes up diesel exhaust. Diesel exhaust is composed of two phases, gas and particle, both of which contribute to health risks. More than 90% of DPM is less than 1 micrometer in diameter (about 1/70th the diameter of a human hair), and thus is a subset of PM_{2.5} (CARB 2019f). DPM is typically composed of carbon particles (“soot,” also called black carbon) and numerous organic compounds, including more than 40 known cancer-causing organic substances. Examples of these chemicals include polycyclic aromatic hydrocarbons, benzene, formaldehyde, acetaldehyde, acrolein, and 1,3-butadiene (CARB 2019f). CARB classified “particulate emissions from diesel-fueled engines” (i.e., DPM; 17 CCR 93000) as a TAC in August 1998. DPM is emitted from a broad range of diesel engines: on-road diesel engines of trucks, buses, cars, and off-road diesel engines, including locomotives, marine vessels, and heavy-duty construction equipment, among others. Approximately 70% of all airborne cancer risk in California is associated with DPM (CARB 2000). To reduce the cancer risk associated with DPM, CARB adopted a diesel risk reduction plan in 2000 (CARB 2000). Because it is part of PM_{2.5}, DPM also contributes to the same noncancer health effects as PM_{2.5} exposure. These effects include premature death; hospitalizations and emergency department visits for exacerbated chronic heart and lung disease, including asthma; increased respiratory symptoms; and decreased lung function in children. Several studies suggest that exposure to DPM may also facilitate development of new allergies (CARB 2019f). Those most vulnerable to noncancer health effects are children, whose lungs are still developing, and older adults, who often have chronic health problems.

Asbestos

Asbestos is the common name for a group of naturally occurring fibrous silicate minerals that can separate into thin but strong and durable fibers, with principal forms including chrysotile, crocidolite, amosite, tremolite, actinolite, and anthophyllite (OEHHA 2000). Naturally occurring asbestos is found in some areas throughout California, most commonly where ultramafic rock or serpentinite rock is present. When construction activities occur in areas with naturally occurring asbestos in the soils or rock, the asbestos fibers can become airborne and may be inhaled, which can cause chronic local inflammation and disrupt orderly cell division, both of which can facilitate the development of asbestosis (a noncancerous lung disease involving fibrotic scarring of the lungs) and cancer (OEHHA 2000).

Crystalline Silica

In February 2005, the California Office of Environmental Health Hazard Assessment added a chronic reference exposure level for crystalline silica (quartz, cristobalite, tridymite) of respirable size (defined as 4 micrometer particle aerodynamic diameter) (OEHHA 2005). Crystalline silica is a hazardous substance when it is inhaled, and the airborne dust particles that are formed when the material containing the silica is broken, crushed, or sawn pose potential risks. Silicosis results from chronic exposure; it is characterized by the presence of histologically unique silicotic nodules and by fibrotic scarring of the lung (OEHHA 2005). Chronic exposure to respirable silica dust is also associated with the development of tuberculosis/silicotuberculosis, chronic bronchitis, small airways disease, emphysema, and has been implicated in some autoimmune disorders and kidney disease (OEHHA 2005).

Odorous Compounds

Odors are generally regarded as an annoyance rather than a health hazard. Manifestations of a person's reaction to odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory and respiratory effects, nausea, vomiting, and headache). The ability to detect odors varies considerably among the population and overall is quite subjective. People may have different reactions to the same odor. An odor that is offensive to one person may be perfectly acceptable to another (e.g., coffee roaster). An unfamiliar odor is more easily detected and is more likely to cause complaints than a familiar one. In a phenomenon known as odor fatigue, a person can become desensitized to almost any odor, and recognition may only occur with an alteration in the intensity. The occurrence and severity of odor impacts depend on the nature, frequency, and intensity of the source; wind speed and direction; and the sensitivity of receptors.

2.1.3 Sensitive Receptors

Some land uses are considered more sensitive to air pollution than others due to the types of population groups or activities involved. Children, pregnant women, older adults, and people with existing health problems are especially vulnerable to the effects of air pollution. Accordingly, land uses where sensitive-receptor population groups are likely to be located at hospitals, schools, childcare centers, residences, and retirement homes (NSAQMD 2021).

There are residential sensitive receptors interspersed around the project site. At the Brunswick Industrial Site, rural residences are located to the north, west, east, and south. The nearest residence is north of East Bennett Road, approximately 100 feet from the project boundary. Residences are also located in proximity to the proposed Nevada Irrigation District (NID) potable water pipeline along East Bennett Road. There are also rural residences located north of the Centennial Industrial Site, the nearest of which is along Idaho Maryland Road, approximately 500 feet

away. Finally, the nearest hospitals and schools to the project sites are the Sierra Nevada Memorial Hospital on Glasson Way (approximately 1,800 feet north of the Centennial Industrial Site) and the Montessori House of Children on The Burma Road (approximately 2,500 feet south of the Brunswick Industrial Site boundary).

2.2 Regulatory Setting

2.2.1 Federal Regulations

2.2.1.1 Criteria Air Pollutants

The federal Clean Air Act, passed in 1970 and last amended in 1990, forms the basis for the national air pollution control effort. EPA is responsible for implementing most aspects of the Clean Air Act, including setting National Ambient Air Quality Standards (NAAQS) for major air pollutants; setting hazardous air pollutant (HAP) standards; approving state attainment plans; setting motor vehicle emission standards; issuing stationary source emission standards and permits; and establishing acid rain control measures, stratospheric O₃ protection measures, and enforcement provisions. Under the Clean Air Act, NAAQS are established for the following criteria pollutants: O₃, CO, NO₂, SO₂, PM₁₀, PM_{2.5}, and lead.

The NAAQS describe acceptable air quality conditions designed to protect the health and welfare of the citizens of the nation. The NAAQS (other than for O₃, NO₂, SO₂, PM₁₀, PM_{2.5}, and those based on annual averages or arithmetic mean) are not to be exceeded more than once per year. NAAQS for O₃, NO₂, SO₂, PM₁₀, and PM_{2.5} are based on statistical calculations over 1- to 3-year periods, depending on the pollutant. The Clean Air Act requires EPA to reassess the NAAQS at least every 5 years to determine whether adopted standards are adequate to protect public health based on current scientific evidence. States with areas that exceed the NAAQS must prepare a state implementation plan that demonstrates how those areas will attain the standards within mandated time frames.

EPA has also established New Source Performance Standards (NSPS) for specific stationary sources in order to limit the emissions of criteria air pollutants. The project would be required to comply with all applicable NSPS, which may include:

- **Metallic Mineral Processing Plants (40CFR Part 60 Subpart LL):** This NSPS specifies stack emission limits and compliance requirements to limit particulate matter. The provisions of this subpart are applicable to the following affected facilities in metallic mineral processing plants: Each crusher and screen in open-pit mines; each crusher, screen, bucket elevator, conveyor belt transfer point, thermal dryer, product packaging station, storage bin, enclosed storage area, truck loading station, truck unloading station, railcar loading station, and railcar unloading station at the mill or concentrator with the following exceptions. All facilities located in underground mines are exempted from the provisions of this subpart.
- **Nonmetallic Mineral Processing Plants (40CFR Part 60 Subpart 000):** The provisions of this subpart are applicable to the following affected facilities in fixed or portable nonmetallic mineral processing plants: each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station. Also, crushers and grinding mills at hot mix asphalt facilities that reduce the size of nonmetallic minerals embedded in recycled asphalt pavement and subsequent affected facilities up to, but not including, the first storage silo or bin are subject to the provisions of this

subpart. The provisions of this subpart do not apply to the following operations: All facilities located in underground mines; plants without crushers or grinding mills above ground; and wet material processing operations. This NSPS specifies stack emission limits and compliance requirements to limit particulate matter.

- **Calciners and Dryers in Mineral Industries (40CFR Part 60 Subpart UUU):** The affected facility to which the provisions of this subpart apply is each calciner and dryer at a mineral processing plant. Feed and product conveyors are not considered part of the affected facility. Notably, an affected facility that is subject to the provisions of subpart LL, Metallic Mineral Processing Plants, is not subject to the provisions of this subpart. This NSPS also specifies stack emission limits and compliance requirements to limit particulate matter.
- **Stationary Compression Ignition Internal Combustion Engines (40CFR Part 60 Subpart IIII):** The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE). This NSPS establishes criteria air pollutant exhaust limits for CI and ICE based on the model year and power of the engine.

2.2.1.2 Hazardous Air Pollutants

The 1977 federal Clean Air Act amendments required EPA to identify national emission standards for hazardous air pollutants to protect public health and welfare. HAPs include certain volatile organic chemicals, pesticides, herbicides, and radionuclides that present a tangible hazard, based on scientific studies of exposure to humans and other mammals. Under the 1990 federal Clean Air Act Amendments, which expanded the control program for HAPs, 189 substances and chemical families were identified as HAPs.

Asbestos was one of the first HAPs regulated under the air toxics program. Of particular importance for the project, the Mine Safety and Health Administration (MSHA) established asbestos regulations that specify exposure limits, engineering controls, and respiratory protection measures for workers in underground mines (30 CFR part 56, Subpart D). For example, the permissible exposure limits (PELs) include 1) full-shift limit – a miner's personal exposure to asbestos shall not exceed an 8-hour time-weighted average full-shift airborne concentration of 0.1 fiber per cubic centimeter of air; and 2) excursion limit – no miner shall be exposed at any time to airborne concentrations of asbestos in excess of 1 fiber per cubic centimeter of air as averaged over a sampling period of 30 minutes. Potential asbestos fiber concentration shall be determined by phase contrast microscopy (PCM).

2.2.2 State Regulations

2.2.2.1 Criteria Air Pollutants

The federal Clean Air Act delegates the regulation of air pollution control and the enforcement of the NAAQS to the states. In California, the task of air quality management and regulation has been legislatively granted to CARB, with subsidiary responsibilities assigned to air quality management districts and air pollution control districts at the regional and county levels. CARB, which became part of the California Environmental Protection Agency in 1991, is responsible for ensuring implementation of the California Clean Air Act of 1988, responding to the federal Clean Air Act, and regulating emissions from motor vehicles and consumer products.

CARB has established California Ambient Air Quality Standards (CAAQS), which are generally more restrictive than the NAAQS. The CAAQS describe adverse conditions; that is, pollution levels must be below these standards before a basin can attain the standard. Air quality is considered “in attainment” if pollutant levels are continuously below the CAAQS and violate the standards no more than once each year. The CAAQS for O₃, CO, SO₂ (1-hour and 24-hour), NO₂, 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. The NAAQS and CAAQS are presented in Table 1.

Table 1. Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards ^a	National Standards ^b	
		Concentration ^c	Primary ^{c,d}	Secondary ^{c,e}
O ₃	1 hour	0.09 ppm (180 µg/m ³)	—	Same as primary standard ^f
	8 hours	0.070 ppm (137 µg/m ³)	0.070 ppm (137 µg/m ³) ^f	
NO ₂ ^g	1 hour	0.18 ppm (339 µg/m ³)	0.100 ppm (188 µg/m ³)	Same as primary standard
	Annual arithmetic mean	0.030 ppm (57 µg/m ³)	0.053 ppm (100 µg/m ³)	
CO	1 hour	20 ppm (23 mg/m ³)	35 ppm (40 mg/m ³)	None
	8 hours	9.0 ppm (10 mg/m ³)	9 ppm (10 mg/m ³)	
SO ₂ ^h	1 hour	0.25 ppm (655 µg/m ³)	0.075 ppm (196 µg/m ³)	—
	3 hours	—	—	0.5 ppm (1,300 µg/m ³)
	24 hours	0.04 ppm (105 µg/m ³)	0.14 ppm (for certain areas) ^g	—
	Annual	—	0.030 ppm (for certain areas) ^g	—
PM ₁₀ ⁱ	24 hours	50 µg/m ³	150 µg/m ³	Same as primary standard
	Annual arithmetic mean	20 µg/m ³	—	
PM _{2.5} ⁱ	24 hours	—	35 µg/m ³	Same as primary standard
	Annual arithmetic mean	12 µg/m ³	12.0 µg/m ³	15.0 µg/m ³
Lead ^{j,k}	30-day average	1.5 µg/m ³	—	—
	Calendar quarter	—	1.5 µg/m ³ (for certain areas) ^k	Same as primary standard
	Rolling 3-month average	—	0.15 µg/m ³	
Hydrogen sulfide	1 hour	0.03 ppm (42 µg/m ³)	—	—
Vinyl chloride ^l	24 hours	0.01 ppm (26 µg/m ³)	—	—
Sulfates	24- hours	25 µg/m ³	—	—

Table 1. Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards ^a	National Standards ^b	
		Concentration ^c	Primary ^{c,d}	Secondary ^{c,e}
Visibility reducing particles	8 hour (10:00 a.m. to 6:00 p.m. PST)	Insufficient amount to produce an extinction coefficient of 0.23 per kilometer due to the number of particles when the relative humidity is less than 70%	—	—

Source: CARB 2016.

Notes: O₃ = ozone; ppm = parts per million by volume; µg/m³ = micrograms per cubic meter; NO₂ = nitrogen dioxide; CO = carbon monoxide; mg/m³ = milligrams per cubic meter; SO₂ = sulfur dioxide; PM₁₀ = coarse particulate matter; PM_{2.5} = fine particulate matter; PST = Pacific Standard Time.

- ^a California standards for O₃, CO, SO₂ (1-hour and 24-hour), NO₂, suspended 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. CAAQS are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
- ^b National standards (other than O₃, NO₂, SO₂, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once per year. The O₃ standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over 3 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 1. For PM_{2.5}, the 24-hour standard is attained when 98% of the daily concentrations, averaged over 3 years, are equal to or less than the standard.
- ^c Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based on 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.
- ^d National primary standards: The levels of air quality necessary, with an adequate margin of safety, to protect the public health.
- ^e National secondary standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
- ^f On October 1, 2015, the national 8-hour O₃ primary and secondary standards were lowered from 0.075 to 0.070 ppm.
- ^g To attain the national 1-hour standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 parts per billion (ppb). Note that the national 1-hour standard is in units of ppb. California standards are in units of 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.
- ^h 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 national 1-hour 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 1 year after an area is designated for the 2010 standard, except that in areas designated nonattainment of the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.
- ⁱ 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 were also retained. The form of the annual primary and secondary standards is the annual mean averaged over 3 years.
- ^j CARB has identified lead and vinyl chloride as TACs 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.
- ^k 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 1 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.

2.2.2.2 Toxic Air Contaminants

The state Air Toxics Program was established in 1983 under AB 1807 (Tanner). The California TAC list identifies more than 700 pollutants, of which carcinogenic and noncarcinogenic toxicity criteria have been established for a

subset of these pollutants pursuant to the California Health and Safety Code. In accordance with AB 2728, the state list includes the (federal) HAPs. In 1987, the Legislature enacted the Air Toxics “Hot Spots” Information and Assessment Act of 1987 (AB 2588) to address public concern over the release of TACs into the atmosphere. AB 2588 law requires facilities emitting toxic substances to provide local air pollution control districts with information that will allow an assessment of the air toxics problem, identification of air toxics emissions sources, location of resulting hotspots, notification of the public exposed to significant risk, and development of effective strategies to reduce potential risks to the public over 5 years. TAC emissions from individual facilities are quantified and prioritized. “High-priority” facilities are required to perform a health risk assessment (HRA), and if specific thresholds are exceeded, the facility operator is required to communicate the results to the public in the form of notices and public meetings.

In 2000, CARB approved a comprehensive diesel risk reduction plan to reduce diesel emissions from new and existing diesel-fueled vehicles and engines (CARB 2000). The regulation is anticipated to result in an 80% decrease in statewide diesel health risk by 2020 compared with the diesel risk in 2000. Additional regulations apply to new trucks and diesel fuel, including the On-Road Heavy Duty Diesel Vehicle (In-Use) Regulation, the On-Road Heavy Duty (New) Vehicle Program, the In-Use Off-Road Diesel Vehicle Regulation, and the New Off-Road Compression-Ignition (Diesel) Engines and Equipment program. These regulations and programs have timetables by which manufacturers must comply and existing operators must upgrade their diesel-powered equipment. There are several Airborne Toxic Control Measures (ATCMs) that reduce diesel emissions, including In-Use Off-Road Diesel-Fueled Fleets (13 CCR 2449 et seq.) and In-Use On-Road Diesel-Fueled Vehicles (13 CCR 2025).

Asbestos is strictly regulated due to its serious adverse health effects, including asbestosis and lung cancer, and based on its natural widespread occurrence and its use as a building material. CARB has established two ATCMs for naturally occurring asbestos. The first asbestos ATCM applies to Surfacing Applications (17 CCR 93106) (e.g., restricts the content of asbestos material used in surfacing applications, such as unpaved roads and parking lots), and the second asbestos ATCM is for Construction, Grading, Quarrying and Surface Mining Operations (17 CCR 93105) (i.e., requires implementation mitigation measures to minimize asbestos-laden dust during these activities).

Pursuant to the ATCM for Surfacing Applications, unless one of the exemptions detailed in the ATCM applies, no person shall use, apply, sell, supply, or offer for sale or supply any restricted material for surfacing, unless it has been tested using an approved asbestos bulk test method and determined to have an asbestos content that is less than 0.25%. As defined in this ATCM, “restricted material” means any of the following:

1. Aggregate material extracted from property where any portion of the property is located in a geographic ultramafic rock unit; and
2. Aggregate material extracted from property that is NOT located in a geographic ultramafic rock unit if the material has been:
 - a. Evaluated at the request of the Air Pollution Control Officer and determined to be ultramafic rock or serpentine;
 - b. Tested at the request of the Air Pollution Control Officer and determined to have an asbestos content of 0.25 percent or greater; or

- c. Determined by the owner/operator of a facility to be ultramafic rock, serpentine, or aggregate material that has an asbestos content of 0.25% or greater.
3. Any mixture of aggregate material that contains 10% or more of any of the materials listed above, or any combination thereof, shall also be considered “restricted material.”

Pursuant to the ATCM for Construction, Grading, Quarrying and Surface Mining Operations, an Asbestos Dust Mitigation Plan is required for any project with greater than 1 acre of surface disturbance if any portion of the area to be disturbed is mapped as having serpentine or ultramafic rock, or if any portion of the area to be disturbed has naturally occurring asbestos as determined by the owner/operator or the Air Pollution Control Officer. The Asbestos Dust Mitigation Plan, which must include dust mitigation practices that are sufficient to ensure that no equipment or operation emits dust that is visible crossing the property line, would be required to be submitted to and approved by the local air district before any clearing, grading, or construction begins.

California Health and Safety Code Section 41700

Section 41700 of the Health and Safety Code states that a person must not discharge from any source whatsoever 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 of those persons or the public; or that cause, or have a natural tendency to cause, injury or damage to business or property. Section 41700 also applies to sources of objectionable odors.

2.2.3 Local Regulations

2.2.3.1 Northern Sierra Air Quality Management District

The NSAQMD is the primary agency responsible for planning to meet federal and state ambient air quality standards in Nevada, Plumas, and Sierra Counties. The NSAQMD develops rules and regulations for stationary sources and equipment, prepares emissions inventories and air quality management planning documents, and conducts source testing and inspections. NSAQMD rules and regulations applicable to the project include the following:

- **Rule 205 Nuisance:** This rule prohibits discharge of air contaminants or other material from any source 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 to have natural tendency to cause injury or damage to business or property.
- **Rule 207 Particulate Matter:** This rule prohibits the release or discharge of particulate matter emissions in excess of 0.1 grains per cubic foot of dry exhaust gas as standards conditions into the atmosphere from any source or single processing unit, exclusive of sources emitting combustion contaminants only.
- **Rule 227 Cutback and Emulsified Asphalt Paving Materials:** This rule restricts the discharge of VOCs caused by the use or manufacture of Cutback or Emulsified asphalts for paving, road construction, or road maintenance, unless such manufacture or use complies with the provisions of the rule.
- **Rule 904 Asbestos Airborne Toxic Control Measure Asbestos-Containing-Serpentine:** This rule incorporates by reference Title 17, Section 93106, of the California Code of Regulations (CCR) in its entirety.

2.2.3.2 Nevada County Transportation Commission

At the regional level, the Nevada County Transportation Commission (NCTC) adopted the 2015–2035 Nevada County Regional Transportation Plan (RTP) to establish the short-term (2016 to 2026) and long-term (2026 to 2036) regional transportation needs in Nevada County and to facilitate the efficient development and implementation of projects while maintaining public health and environmental quality (NCTC 2018). Although the RTP does not regulate land use or supersede the exercise of land use authority by NCTC’s member jurisdictions (i.e., Nevada County or cities therein), the RTP is a relevant regional reference document for purposes of evaluating the intersection of land use and transportation patterns, and seeks to reduce air quality and GHG issues associated with future growth by increasing the efficiency of the transportation system and increasing alternative transportation options (NCTC 2018).

2.2.3.3 Nevada County

The County General Plan’s Air Quality Element (Nevada County 1995) and Circulation Element (Nevada County 2010) describe the following goals, objectives, and policies that pertain to the project:

Air Quality Element

Goal 14.1: Attain, maintain, and ensure high air quality.

Objective 14.1: Establish land use patterns that minimize impacts on air quality.

- **Policy 14.1:** Cooperate with the NSAQMD during review of development proposals. As part of the site plan review process, require applicants of all subdivisions, multi-family, commercial and industrial development projects to address cumulative and long-term air quality impacts, and request the NSAQMD enforce appropriate land use regulations to reduce air pollution.

Objective 14.2: Implement standards that minimize impacts on and/or restore air quality.

- **Policy 14.3:** Where it is determined necessary to reduce short-term and long-term cumulative impact, the County shall require all new discretionary projects to offset any pollutant increases. Wherever possible, such offsets shall benefit lower-income housing.
- **Policy 14.4:** Encourage and cooperate with the NSAQMD, or any successor agency, to:
 - d. Develop a program to regulate and control fugitive dust emissions from construction projects.
- **Policy 14.5:** Encourage and cooperate with the NSAQMD, or any successor agency, to develop and implement a long term monitoring program to quantify air quality in the County. The County shall work with the District to identify areas for monitoring and to develop an implementation program to begin on-site monitoring upon project application where a proposal will result in an increase of more than 25 tons per year of nonattainment pollutants (or precursors). The County will also cooperate with the District in developing a monitoring program for CO emissions at key intersections as a basis for consideration of short-to long-term air quality in the preparation of the County Road Improvement Program.
- **Policy 14.6:** For new construction, the County shall prohibit the installation of non-EPA certified and non-EPA exempt solid fuel burning devices.

- **Policy 14.7A:** The County shall, as part of its development review process, ensure that proposed discretionary developments address the requirements of NSAQMD Rule 226.
- **Policy 14.7B:** The County shall, as part of its Road Improvement Program, consider the benefits to air quality from the paving of unpaved roads.

Circulation Element

Goal RD-1: Reduce dependence on the automobile.

Goal RD-2: Increase the availability of alternative modes of transportation.

Goal RD-3: Decrease vehicle miles traveled (VMT) while encouraging increased transit ridership and vehicle occupancy.

Goal EP-4.3: To the extent feasible, encourage the reduction of GHG emissions during the design phase of construction projects.

Goal EP-4.4: To the extent feasible, encourage the development of energy efficient circulation patterns.

2.3 Regional and Local Air Quality Conditions

2.3.1 Attainment Designation

Pursuant to the 1990 federal Clean Air Act amendments, EPA classifies air basins (or portions thereof) as “attainment” or “nonattainment” for each criteria air pollutant, based on whether the NAAQS have been achieved. Generally, if the recorded concentrations of a pollutant are lower than the standard, the area is classified as “attainment” for that pollutant. If an area exceeds the standard, the area is classified as “nonattainment” for that pollutant. If there is not enough data available to determine whether the standard is exceeded in an area, the area is designated as “unclassified” or “unclassifiable.” The designation of “unclassifiable/attainment” means that the area meets the standard or is expected to be meet the standard despite a lack of monitoring data. Areas that achieve the standards after a nonattainment designation are re-designated as maintenance areas and must have approved maintenance plans to ensure continued attainment of the standards. The California Clean Air Act, like its federal counterpart, called for the designation of areas as “attainment” or “nonattainment,” but based on CAAQS rather than the NAAQS.

The NSAQMD prepared and submitted the Ozone Attainment Plan Western Nevada County – State Implementation Plan for the 2008 Primary Federal 8-Hour Ozone Standard of 0.075 ppm (Ozone Attainment Plan) (NSAQMD 2018) to the EPA to request voluntary reclassification as a “Serious” nonattainment area, and revise the attainment date to December 31, 2021. On August 23, 2019, the EPA re-designated the western portion of Nevada County from “Moderate” nonattainment to “Serious” nonattainment for the federal 8-hour O₃ standard. Additionally, CARB has designated Nevada County as a nonattainment area for the state O₃ and PM₁₀ standards (CARB 2019g). The County is designated as unclassified or attainment by the EPA and CARB for all other criteria air pollutants.

2.3.2 Local Ambient Air Quality

CARB, air districts, and other agencies monitor ambient air quality at approximately 250 air quality monitoring stations across the state. NSAQMD monitors local ambient air quality near the project site. Air quality monitoring stations usually measure pollutant concentrations 10 feet above ground level; therefore, air quality is often referred to in terms of ground-level concentrations. The most recent background ambient air quality data from 2016 to 2018 are presented in Table 2, Local Ambient Air Quality Data. The Grass Valley monitoring station, located at 200 Litton Drive, Suite 230, Grass Valley, CA 95945, is the nearest air quality monitoring station to the project site, located approximately 1-mile northwest of the Centennial Industrial Site. However, because the Grass Valley station only monitors O₃ and PM_{2.5}, additional measurements were taken from the Yuba City monitoring station (773 Almond Street, Yuba City, CA 95991), approximately 31 miles west of the project site). The data collected at these stations are considered generally representative of the air quality experienced in the project vicinity. The number of days exceeding the ambient air quality standards are also provided in Table 2.

Table 2. Local Ambient Air Quality Data

Monitoring Station	Unit	Averaging Time	Agency/ Method	Ambient Air Quality Standard	Measured Concentration by Year			Exceedances by Year		
					2016	2017	2018	2016	2017	2018
Ozone (O ₃)										
Grass Valley	ppm	Maximum 1-hour concentration	State	0.09	0.101	0.108	0.112	6	13	5
	ppm	Maximum 8-hour concentration	State	0.070	0.097	0.099	0.102	46	85	28
			Federal	0.070	0.097	0.099	0.101	39	78	22
Nitrogen Dioxide (NO ₂)										
Yuba City	ppm	Maximum 1-hour concentration	State	0.18	0.040	0.049	0.051	0	0	0
			Federal	0.100	0.040	0.049	0.051	0	0	0
	ppm	Annual concentration	State	0.030	ND	0.007	0.007	—	—	—
			Federal	0.053	—	—	—	—	—	—
Carbon Monoxide (CO)										
Yuba City	ppm	Maximum 1-hour concentration	State	20	—	—	—	—	—	—
			Federal	35	0.3	2.7	8.8	0	0	0
	ppm	Maximum 8-hour concentration	State	9.0	—	—	—	—	—	—
			Federal	9	0.3	0.5	3.1	0	0	0
Coarse Particulate Matter (PM ₁₀) ^a										
Yuba City	µg/m ³	Maximum 24-hour concentration	State	50	51.7	145.5	339.6	1.0 (1)	19.3 (19)	ND (40)
			Federal	150	51.4	145.0	318.6	0.0 (0)	0.0 (0)	8.0 (8)
	µg/m ³	Annual concentration	State	20	20.4	21.8	ND	—	—	—

Table 2. Local Ambient Air Quality Data

Monitoring Station	Unit	Averaging Time	Agency/ Method	Ambient Air Quality Standard	Measured Concentration by Year			Exceedances by Year		
					2016	2017	2018	2016	2017	2018
Fine Particulate Matter (PM _{2.5}) ^a										
Grass Valley	µg/m ³	Maximum 24-hour concentration	Federal	35	11.7	68.1	142.8	0.0 (0)	3.0 (1)	12.1 (12)
	µg/m ³	Annual concentration	State	12	4.6	4.9	6.2	—	—	—
			Federal	12.0	4.6	5.8	7.0	—	—	—

Sources: CARB 2019h; EPA 2018c.

Notes: ppm = parts per million by volume; ND = insufficient data available to determine the value; — = not available; µg/m³ = micrograms per cubic meter.

Data taken from CARB iADAM (<http://www.arb.ca.gov/adam>) and EPA AirData (<http://www.epa.gov/airdata/>) represent the highest concentrations experienced over a given year.

Exceedances of federal and state standards are only shown for O₃ and particulate matter. Daily exceedances for particulate matter are estimated days because PM₁₀ and PM_{2.5} are not monitored daily. All other criteria pollutants did not exceed federal or state standards during the years shown. There is no federal standard for 1-hour O₃, annual PM₁₀, or a state 24-hour standard for PM_{2.5}.

Grass Valley – Litton Building Monitoring Station is located at 200 Litton Drive, Suite 230, Grass Valley, CA 95945.

Yuba City – Almond Street Monitoring Station is located at 773 Almond Street, Yuba City, CA 95991.

^a Measurements of PM₁₀ and PM_{2.5} are usually collected every 6 days and every 1 to 3 days, respectively. Number of days exceeding the standards is a mathematical estimate of the number of days concentrations would have been greater than the level of the standard had each day been monitored. The numbers in parentheses are the measured number of samples that exceeded the standard.

2.4 Significance Criteria and Methodology

2.4.1 Thresholds of Significance

The significance criteria used to evaluate the project impacts to air quality are based on the recommendations provided in Appendix G of the CEQA Guidelines. For the purposes of this air quality analysis, a significant impact would occur if the project would (14 CCR 15000 et seq.):

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

Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.) indicates that, where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to determine whether the project would have a significant impact on air quality.

The NSAQMD has developed a tiered approach to significance levels; a project with emissions qualifying it for Level A thresholds (i.e., all projects with emissions greater than zero) should require the most basic mitigation. Projects that qualify for Level B should require more extensive mitigation, and projects that qualify for Level C should require

the most extensive application of mitigation. The tiered thresholds for Levels A, B, and C are given in Table 3 for a project's estimated emissions of criteria pollutants in pounds per day. The emissions-based thresholds for O₃ precursors are intended to serve as a surrogate for an "O₃ significance threshold" (i.e., the potential for adverse O₃ impacts to occur). This approach is used because O₃ is not emitted directly (see the discussion of O₃ and its sources in Section 2.1.2, Pollutants and Effects).

Table 3. Northern Sierra Air Quality Management District Emission Significance Thresholds

Threshold Level	ROG	NO _x	PM ₁₀
	<i>Pounds per Day</i>		
Level A Thresholds	<24	<24	<79
Level B Thresholds	24–136	24–136	79–136
Level C Thresholds	>136	>136	>136

Source: NSAQMD 2021.

Notes: ROG = reactive organic gas; NO_x = oxides of nitrogen; PM₁₀ = particulate matter with an aerodynamic diameter less than or equal to 10 microns.

If unmitigated emissions of ROG, NO_x, and/or PM₁₀ exceed 136 pounds per day (Level C), then there is a potentially significant impact; if mitigated emissions of ROG, NO_x, and/or PM₁₀ still exceed 136 pounds per day (Level C), then there is a significant and unavoidable impact. Unmitigated emissions below Level C would result in an impact that is potentially significant and mitigation is required; following implementation of mitigation (as specified separately for Level A and Level B), emissions would be less than significant. The NSAQMD guidelines recommend that projects with higher emissions (Level C Thresholds) should automatically mitigate more emissions than a lower-impact project (Level A). Also according to the NSAQMD guidelines, if a new project is unable to provide adequate on-site mitigation of its long-term air quality impacts, an off-site mitigation program may be necessary.

The NSAQMD established its thresholds of significance for CEQA purposes to achieve and maintain the NAAQS and CAAQS. Since an AAQS is based on maximum pollutant levels in outdoor air that would not harm the public's health, and air district thresholds pertain to attainment of the AAQS, this means that a project that complies with the thresholds established by a local air district, such as the NSAQMD, would not result in adverse effects to human health.

For mobile source emissions of CO, the 1-hour (20 ppm) and 8-hour (9 ppm) CAAQS for CO are used to determine significance for receptors proximate to intersections affected by project traffic that would fall at level of service (LOS) D or higher (i.e., LOS E or F), under the project and cumulative scenarios (NSAQMD 2021).

2.4.2 Approach and Methodology

2.4.2.1 Construction Emissions

Construction scenario assumptions, including phasing, equipment mix, and vehicle trips, were based on information provided by Rise. For purposes of estimating project emissions, construction of the project is anticipated to occur over approximately 12 months. Construction is assumed to take place from January 2021 through December

2021.⁴ The construction scenario assessed herein is the worst-case, since if the same activities were to be spread over a longer period of time, the amount of overlap of equipment would be reduced, which would result in reduced max daily emissions. The operational and reclamation phases would, in turn, be pushed out by the same amount of time. The actual construction period will depend on numerous factors including permitting timelines and economic factors. The analysis contained herein is based on the assumptions summarized in Table 4, Construction Off-Road Equipment Assumptions, Table 5, Construction On-Road Off-Site Vehicle Trip Assumptions, and Table 6, Construction On-Road On-Site Vehicle Trip Assumptions.

Table 4. Construction Off-Road Equipment Assumptions

Construction Phase	Schedule (Month/Year)	Equipment				
		Equipment Type	Fuel	Quantity	Usage Hours Per Day	Days Per Week
Project management, engineers, surveyors	1/2021 – 12/2021	N/A	N/A	N/A	N/A	6
Foundation and concrete contractor	1/2021 – 12/2021	Walk behind compactor	Diesel	1	1	6
		Concrete saw	Diesel	1	2	6
Grading and paving contractor	1/2021 – 12/2021	Dozer	Diesel	1	4	6
		Grader	Diesel	1	4	6
		Excavator	Diesel	1	4	6
		Front-end loader	Diesel	1	4	6
		Roller compactor	Diesel	1	4	6
		Paving equipment	Diesel	1	2	6
Building contractor	1/2021 – 12/2021	Skid steer/ forklift	Diesel	3	6	6
		Manlift	Diesel	1	6	6
		Portable generator/ welder	Diesel	3	6	6
		Forklift	Diesel	2	4	6
		Crane	Diesel	1	4	6
Ironworkers (headframes)	2/2021 – 3/2021 & 11/2021 – 12/2021	Forklift	Diesel	2	4	6
		Crane	Diesel	1	4	6
Electrical and mechanical contractors	1/2021 – 12/2021	Skid steer/ forklift	Diesel	3	6	6
		Manlift	Diesel	1	6	6
		Portable generator/ welder	Diesel	3	6	6
		Forklift	Diesel	2	4	6
		Crane	Diesel	1	2	6
Potable water installation	2/2021 – 5/2021	Portable generator/ welder	Diesel	3	6	6
		Forklift	Diesel	2	4	6

⁴ The analysis assumes a construction start date of January 2021, which represents the earliest date construction could have initiated. Assuming the earliest start date for construction represents the worst-case scenario for criteria air pollutant and GHG emissions because equipment and vehicle emission factors for later years would be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years.

Table 4. Construction Off-Road Equipment Assumptions

Construction Phase	Schedule (Month/Year)	Equipment				
		Equipment Type	Fuel	Quantity	Usage Hours Per Day	Days Per Week
		Excavator	Diesel	1	8	6
		Concrete saw	Diesel	1	4	6
		Front-end loader	Diesel	1	4	6
		Roller compactor	Diesel	1	4	6
		Paving equipment	Diesel	1	4	6
PG&E power line work	7/2021 – 9/2021	Forklift	Diesel	2	4	6
		Manlift	Diesel	1	6	6
		Crane	Diesel	1	4	6
Underground shaft contractors	4/2021 – 12/2021	LHD units	Diesel	2	20	7
		Personnel all- terrain vehicles	Diesel	2	12	7
Raise bore contractor	8/2021 – 9/2021	Raise bore machine	Electric	1	18	7
Underground construction	9/2021 – 12/2021	Mine air compressor	Electric	1	10	7
		Locomotives	Electric	2	12	7
		Main ventilation fans	Electric	1	24	7
		Booster ventilation fans	Electric	2	24	7
		Auxiliary ventilation fans	Electric	3	24	7
		Brunswick shaft hoist	Electric	1	8	7
Mine dewatering	6/2021 – 11/2021	Main pump 1300 L	Electric	2	24	7
		Main pump 2300 L	Electric	2	24	7
		Main pump 3280 L	Electric	2	24	7
		Face pumps	Electric	3	16	7
		Water treatment plant	Electric	1	24	7

Notes: PG&E = Pacific Gas & Electric
 See Appendix A for details

Table 5. Construction On-Road Off-Site Vehicle Trip Assumptions

Project Vehicle	Trip Length (miles)	Maximum Daily Trips (trips/day)	Maximum Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
<i>Project management, engineers, surveyors, and fuel</i>					
Workers	16.8	12	202	3,744	62,899
Fuel Trucks	3.5	2	7	208	728
Pickup Trucks	15	8	120	2,496	37,440
<i>Foundation and concrete contractor</i>					
Workers	16.8	16	269	4,992	83,866

Table 5. Construction On-Road Off-Site Vehicle Trip Assumptions

Project Vehicle	Trip Length (miles)	Maximum Daily Trips (trips/day)	Maximum Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pickup Trucks	15	8	120	2,496	37,440
Concrete Trucks	5	2	10	624	3,120
<i>Grading and paving contractor</i>					
Workers	16.8	12	202	3,744	62,899
Haul Trucks	5	2	10	624	3,120
<i>Building contractor</i>					
Workers	16.8	20	336	6,240	104,832
Pickup Trucks	15	8	120	2,496	37,440
<i>Ironworkers (headframes)</i>					
Workers	16.8	16	269	800	13,440
Pickup Trucks	15	8	120	400	6,000
<i>Electrical and mechanical contractors</i>					
Workers	16.8	20	336	6,240	104,832
Pickup Trucks	15	8	120	2,496	37,440
<i>Potable water installation</i>					
Workers	16.8	12	202	1,224	20,563
Haul Trucks	20	2	40	204	4,080
<i>PG&E power line work</i>					
Workers	16.8	10	168	780	13,104
Haul Trucks	20	2	40	156	3,120
<i>Underground shaft contractors</i>					
Workers	16.8	10	168	2,740	46,032
<i>Raise bore contractor</i>					
Workers	16.8	8	134	480	8,064
<i>Underground construction</i>					
Workers	16.8	10	168	1,210	20,328
<i>Mine Dewatering</i>					
Workers	N/A	N/A	N/A	N/A	N/A

Notes: N/A = not applicable; VMT = vehicle miles traveled

See Appendix A for complete details.

Concrete and asphalt haul truck trip distance of 5 miles is based on purchasing the materials locally.

All other trip lengths are based on the CalEEMod default rural trip lengths for NSAQMD, which Rise determined were appropriate for the project.

Table 6. Construction On-Road On-Site Vehicle Trip Assumptions

Project Vehicle	Trip Length (miles)	Maximum Daily Trips (trips/day)	Maximum Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
<i>Project management, engineers, surveyors, and fuel</i>					
Workers	0.12	12	1	3,744	449
Fuel Trucks	0.26	2	1	208	54
Pickup Trucks	0.26	8	2	2,496	649
<i>Foundation and concrete contractor</i>					
Workers	0.12	16	2	4,992	599
Pickup Trucks	0.26	8	2	2,496	649
Concrete Trucks	0.26	2	1	624	162
<i>Grading and paving contractor</i>					
Workers	0.12	12	1	3,744	449
Water Trucks	0.44	8	4	624	275
Haul Trucks	0.26	2	1	624	162
Haul Trucks – Import Fill	0.26	78	20	1,550	403
<i>Building contractor</i>					
Workers	0.12	20	2	6,240	749
Pickup Trucks	0.26	8	2	2,496	649
<i>Ironworkers (headframes)</i>					
Workers	0.12	16	2	800	96
Pickup Trucks	0.26	8	2	400	104
<i>Electrical and mechanical contractors</i>					
Workers	0.12	20	2	6,240	749
Pickup Trucks	0.26	8	2	2,496	649
<i>Potable water installation</i>					
Workers	0.12	12	1	1,224	147
Water Trucks	0.44	8	4	204	90
Haul Trucks	0.26	2	1	204	53
<i>PG&E power line work</i>					
Workers	0.12	10	1	780	94
Haul Trucks	0.26	2	1	156	41
<i>Underground shaft contractors</i>					
Workers	0.12	10	1	2,740	329
<i>Raise bore contractor</i>					
Workers	0.12	8	1	480	58
<i>Underground construction</i>					
Workers	0.12	10	1	1,210	145

Table 6. Construction On-Road On-Site Vehicle Trip Assumptions

Project Vehicle	Trip Length (miles)	Maximum Daily Trips (trips/day)	Maximum Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
<i>Mine Dewatering</i>					
Workers	N/A	N/A	N/A	N/A	N/A

Notes: N/A = not applicable; VMT = vehicle miles traveled
 See Appendix A for complete details.

The criteria air pollutant and TAC emissions inventory was developed based on the assumptions in Table 4 through Table 6. Sources of air pollutant emissions during construction would include exhaust from off-road equipment and on-road vehicles (i.e., trucks and worker vehicles); fugitive dust associated with vehicle travel over unpaved roads and compaction areas, material handling, bulldozer spreading, soil compaction, and wind erosion; ROG off-gassing from architectural coatings, and ROG off-gassing during asphalt paving. Emission factors for these sources were incorporated into a spreadsheet model and include the CARB OFFROAD2011 model for diesel-fueled off-road equipment; the CARB Mobile Source Emissions Inventory Model (EMFAC, version 2017) for on-road vehicles; factors from EPA's AP-42 for fugitive dust; and factors from the California Emissions Estimator Model (CalEEMod) for architectural coatings and asphalt paving. Entrained dust results from the exposure of earth surfaces to wind from the direct disturbance and movement of soil, primarily during the grading phase, resulting in PM₁₀ and PM_{2.5} emissions. The project would implement Applicant Proposed Measure (APM)-AQ-2 (Surface Fugitive Dust Controls), which would limit fugitive dust (PM₁₀ and PM_{2.5}) that may be generated during grading and construction activities. To account for dust control measures in the calculations, it was assumed that active work sites would be watered at least two times daily, resulting in an approximately 55% reduction of particulate matter. In addition, chemical stabilizers would be applied to any unpaved roads on-site, which would result in an approximately 80% reduction of particulate matter. For a worst-case day, it was conservatively assumed that 2 diesel emergency generators (2,655 horsepower (hp) each) would undergo routine testing and maintenance of up to 2 hours each on the same day, 1 time per month.⁵ For annual emissions, these emergency generators were assumed to undergo testing and maintenance for up to 100 hours, based on CARB's ATCM for Stationary Compression Ignition Engines. Emission data sheets for the representative Cummins model QSK60-G17, which are Tier 4 Final engines, were incorporated into the modeling. Detailed assumptions and emission factors are included in Appendix A. Notably, electrically powered equipment would not contribute to criteria air pollutants or TACs at the project site, but would result in GHGs associated with electricity generation (see Section 3, Greenhouse Gas Emissions).

2.4.2.2 Operational Emissions

Sources of air pollutant emissions generated during project operations would include off-road equipment, on-road vehicles, underground blasting and crushing, ore processing, reagent storage, fuel tank storage, earthwork and material handling, architectural coatings for repainting, and worker consumer products. In regards to long-term operations, engineered fill would be trucked to the Centennial Industrial Site, a pad at the Brunswick Industrial Site, and off-site to support local construction projects. Logging and chipping of trees would also occur intermittently at the Centennial and Brunswick Industrial sites, as engineered fill is placed. Although the following sequence could

⁵ 2 hours of routine testing and maintenance per month is conservative, based on National Fire Protection Association (NFPA) 110. Typical monthly testing is anticipated to be from 0.5 to 1 hour per generator.

change, for purposes of this air quality analysis and to present a reasonable and conservative evaluation, three different periods were assessed based on assumptions of where and when the engineered fill would be routed:

- Years 2022–2026: Fill placement at the Centennial Industrial Site
- Years 2027–2032: Fill placement at the Brunswick Industrial Site
- Years 2033–2102: Fill placement at an off-site location

These scenarios affect the trip length of haul trucks, as well as the localized generation of exhaust and fugitive dust from off-road equipment and material handling. Assumptions incorporated in the spreadsheet modeling are detailed in Appendix A, are summarized below, and are based on project information provided by Rise.

Off-Road Equipment

Operational equipment is summarized in Table 7, Operational Off-Road Equipment Assumptions. Emission factors for these sources were incorporated into a spreadsheet model and include the CARB OFFROAD2011 model for diesel-fueled off-road equipment. Notably, all diesel equipment owned by Rise would be equipped with Tier 4 Final engines. Also, as with construction, the electrically powered equipment would not contribute to criteria air pollutants or TACs at the project site, but would result in GHGs associated with electricity generation (see Section 3, Greenhouse Gas Emissions). All underground equipment would be electrically powered.

Table 7. Operational Off-Road Equipment Assumptions

Location	Equipment				
	Equipment Type	Fuel	Quantity	Usage Hours Per Day	Days Per Week
Brunswick Industrial Site (Underground)	Jumbo drill carrier	Electric	3	4	7
	LHD units	Electric	6	20	7
	Personnel all-terrain vehicles	Electric	10	12	7
	Longhole drill	Electric	3	18	7
	Diamond core drills	Electric	4	20	7
	Locomotives	Electric	10	12	7
	Main pump 1300 L	Electric	1	24	7
	Main pump 2300 L	Electric	1	24	7
	Main pump 3280 L	Electric	1	24	7
	Face pumps	Electric	10	16	7
	Booster ventilation fans	Electric	2	24	7
	Auxiliary ventilation fans	Electric	10	24	7
	Jaw crusher	Electric	3	8	7
	Lighting	Electric	100	24	7
Brunswick Industrial Site (Surface)	Skid steer / forklift	Diesel	3	12	7
	Front-end loader	Diesel	1	4	7
	Manlift	Diesel	1	6	7
	Rough-terrain crane (50-ton)	Diesel	1	12	7
	Portable generator / welder	Diesel	3	8	7
	Mine air compressor	Electric	1	24	7

Table 7. Operational Off-Road Equipment Assumptions

Location	Equipment				
	<i>Equipment Type</i>	<i>Fuel</i>	<i>Quantity</i>	<i>Usage Hours Per Day</i>	<i>Days Per Week</i>
	Main ventilation fans	Electric	3	24	7
	Service shaft hoist	Electric	1	14	7
	Brunswick shaft hoist	Electric	1	8	7
	Water treatment plant	Electric	1	24	7
Engineered Fill Placement at the Centennial Industrial Site and Brunswick Industrial Site (Surface)	Dozer	Diesel	1	4	5
	Excavator	Diesel	1	4	5
	Front-end loader	Diesel	1	4	5
	Mobile tire pressure washer	Diesel	1	3	5
	Mobile auger blending plant	Diesel	1	4	5

Notes: See Appendix A for details.

On-Road Vehicles

The project would generate criteria air pollutant emissions from mobile sources (vehicular traffic) as a result of the employee passenger vehicles (workers) and truck traffic associated with operation of the mine. Emissions from the mobile sources during operation of the project were estimated using a spreadsheet-based model and emission factors from the CARB EMFAC2017 and EPA AP-42 factors for paved and unpaved road dust generation. Emission calculation equations and assumptions were primarily derived from CalEEMod and EPA AP-42. The key factors in the mobile source emission calculations were number of trips, trip lengths, vehicle categorization, and emissions factors for each vehicle, which are described further below.

Trips were estimated for each type of project vehicle and for each operational scenario (beginning in 2022, 2027, and 2033) based on information provided by the applicant. Each employee and truck was assumed to generate two one-way trips. Employees are anticipated to be on site 365 days per year; however, estimated daily employees during the week is 178, and estimated weekend employees is 134. As such, 178 employees were assumed to estimate maximum daily emissions, and the annual emissions were estimated based on the estimated weekdays and weekend days in 1 year and the respective employee estimate. For haul trucks, estimated maximum daily trips were multiplied by 365 days to estimate annual trips. For all other trucks, daily emissions were estimated based on the anticipated maximum daily truck trips, and annual emissions were estimated based on anticipated average trips per week multiplied by 52 weeks per year. Trip lengths were also based on information provided by the applicant.

Off-site and on-site vehicle activity was estimated separately. The anticipated average trip length, trips per day, VMT per day, trips per year, and VMT per year by project vehicle category in 2022, 2027, and 2033 and separated by off-site and on-site travel are shown in Table 8, Operations Off-Site On-Road Vehicle Trip Assumptions and Table 9, Operations On-Site On-Road Vehicle Trip Assumptions, for off-site and on-site activity, respectively.

Table 8. Operations Off-Site On-Road Vehicle Trip Assumptions

Project Vehicle	Trip Length (miles)	Maximum Daily Trips (trips/day)	Maximum Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
<i>Year 2022 to Year 2026 – Engineered Fill to Centennial Site</i>					
Engineered Fill Haul Trucks	1.8	200	360	36,500	65,700
Freight Trucks	60	6	360	312	18,720
Concentrate Trucks	145	10	1,450	728	105,560
Fuel Trucks	3.5	6	21	108	378
Cement Trucks	60	4	240	936	56,160
Explosives Trucks	60	2	120	104	6,240
Outside Services (light vehicles)	5	8	40	2,184	10,920
Employees	14.7	356	5,233	120,788	1,775,584
<i>Year 2027 to Year 2032 – Engineered Fill to Brunswick Site</i>					
Freight Trucks	60	6	360	312	18,720
Concentrate Trucks	145	10	1,450	728	105,560
Fuel Trucks	3.5	6	21	108	378
Cement Trucks	60	4	240	936	56,160
Explosives Trucks	60	2	120	104	6,240
Outside Services (light vehicles)	5	8	40	2,184	10,920
Employees	14.7	356	5,233	120,788	1,775,584
<i>Year 2033 to Year 2102 – Engineered Fill to Other Customers</i>					
Engineered Fill Haul Trucks	60	200	12,000	36,500	2,190,000
Freight Trucks	60	6	360	312	18,720
Concentrate Trucks	145	10	1,450	728	105,560
Fuel Trucks	3.5	6	21	108	378
Cement Trucks	60	4	240	936	56,160
Explosives Trucks	60	2	120	104	6,240
Outside Services (light vehicles)	5	8	40	2,184	10,920
Employees	14.7	356	5,233	120,788	1,775,584

Notes: VMT = vehicle miles traveled

For 2022, a haul truck trip length of 1.8 miles was assumed based on the estimated distance from the Brunswick Industrial Site to Centennial Industrial Site.

For 2027, the haul truck trips were assumed to occur on-site only and thus, are included in the on-site trip estimate only.

For 2033, haul truck trip length of 60 miles was assumed based on the estimated distance from the Brunswick Industrial Site to various other customers in the region.

Fuel assumed to be trucked from Robinson Fuels Cardlock a distance of approximately 3.5 miles from the Brunswick Site.

Freight, cement, and explosives trucks were assumed to have an average 60-mile distance assuming that these materials would come from distribution facilities in Sacramento California.

Outside Services expected to be within a 5-mile driving distance from site which includes Grass Valley, Nevada City, and Nevada County Airport industrial Area.

Concentrate truck trip distance of 145 miles is based on the distance between the project site and the Port of Oakland.

The average employee trip length of 14.7 miles is based on the CalEEMod default rural trip length for NSAQMD, which the applicant determined was consistent with the anticipated trip length for employees.

Table 9. Operations On-Site On-Road Vehicle Trip Assumptions

Project Vehicle	Trip Length (miles)	Maximum Daily Trips (trips/day)	Maximum Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
<i>Year 2022 to Year 2026 – Engineered Fill to Centennial Site</i>					
Engineered Fill Haul Trucks	0.52	200	104	36,500	18,980
On-site-Only Soil Haul Trucks	0.10	24	2.28	8,760	832
Freight Trucks	0.26	6	2	312	81
Concentrate Trucks	0.26	10	3	728	189
Fuel Trucks	0.26	6	2	108	28
Cement Trucks	0.26	4	1	936	243
Explosives Trucks	0.26	2	1	104	27
On-site-Only Water Trucks	0.44	8	3.52	2,920	1,285
Outside Services (light vehicles)	0.26	8	2	2,184	568
On-site-Only Light-Duty Trucks	0.19	24	5	8,760	1,664
Employees	0.12	356	43	120,788	14,495
<i>Year 2027 to Year 2032 – Engineered Fill to Brunswick Site</i>					
Engineered Fill Haul Trucks	0.64	200	127	36,500	23,178
On-site-Only Soil Haul Trucks	0.10	24	2.28	8,760	832
Freight Trucks	0.26	6	2	312	81
Concentrate Trucks	0.26	10	3	728	189
Fuel Trucks	0.26	6	2	108	28
Cement Trucks	0.26	4	1	936	243
Explosives Trucks	0.26	2	1	104	27
On-site-Only Water Trucks	0.44	8	3.52	2,920	1,285
Outside Services (light vehicles)	0.26	8	2	2,184	568
On-site-Only Light-Duty Trucks	0.19	24	5	8,760	1,664
Employees	0.12	356	43	120,788	14,495
<i>Year 2033 to Year 2102 – Engineered Fill to Other Customers</i>					
Engineered Fill Haul Trucks	0.52	200	104	36,500	18,980
On-site-Only Soil Haul Trucks	0.10	24	2.28	8,760	832
Freight Trucks	0.26	6	2	312	81
Concentrate Trucks	0.26	10	3	728	189
Fuel Trucks	0.26	6	2	108	28
Cement Trucks	0.26	4	1	936	243
Explosives Trucks	0.26	2	1	104	27
On-site-Only Water Trucks	0.44	8	3.52	2,920	1,285
Outside Services (light vehicles)	0.26	8	2	2,184	568
On-site-Only Light-Duty Trucks	0.19	24	5	8,760	1,664

Table 9. Operations On-Site On-Road Vehicle Trip Assumptions

Project Vehicle	Trip Length (miles)	Maximum Daily Trips (trips/day)	Maximum Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Employees	0.12	356	43	120,788	14,495

Notes: VMT = vehicle miles traveled

See Appendix A for complete details.

All trip lengths were provided by Rise based on anticipated vehicle travel routes on-site.

Vehicle emissions occur during startup, operation (running), and idling, and from evaporative losses when the engines are resting. The emissions factors for trucks and passenger vehicles were determined using EMFAC2017, which generates emissions factors, expressed in grams per mile, grams per trip, and grams per vehicle per day, for the fleet in a class of motor vehicles within a county for a particular study year. For this analysis, NSAQMD was selected for the region and calendar years 2022, 2027, and 2033 were selected in EMFAC to represent the different operational scenarios based on engineered fill destination. For each vehicle emissions factor, aggregated values for model year and speed were assumed.

A composite, or weighted-average, emissions factor was developed for project vehicle types if more than one vehicle category in EMFAC is anticipated to be representative of the project vehicle. The composite emission factors are weighted by VMT, population, or trips depending on the emissions process, which is the physical mechanism that results in the emissions of a pollutant. For employee vehicles, the composite emission factor represents the weighted average emission rate for passenger vehicles (light-duty automobiles), light-duty trucks (LDT1, 0–3,750 pounds), light-duty trucks (LDT2, 3,751–5,750 pounds), and a composite mix of gasoline and diesel-fueled and electric. All haul trucks (including on-site-only soil haul trucks), freight trucks, explosive trucks, and concentrate trucks were assumed to be heavy-heavy-duty trucks that are diesel-fueled. The fuel trucks, cement delivery trucks, and on-site-only water trucks were assumed to be medium-heavy-duty trucks that are diesel-fueled. The outside services light vehicles were assumed to be a composite of light-duty vehicles and trucks (LDT1, LDT2, LHDT1 [8,501–10,000 pounds], and LHDT2), and a composite mix of gasoline- and diesel-fueled and electric. On-site-only light-duty trucks were assumed to be light-heavy duty trucks (LHDT2) and diesel-fueled.

Running Exhaust, Tire Wear, and Brake Wear (grams per mile)

To estimate emissions associated with vehicle travel to and from the project site, running exhaust,⁶ tire wear,⁷ and brake wear⁸ emission factors for each respective pollutant were developed for trucks and passenger vehicles in grams per mile and then multiplied by the average daily VMT. Running exhaust emissions were estimated for all pollutants, and tire wear and brake wear emissions were specific to PM₁₀ and PM_{2.5}.

⁶ Running exhaust emissions come out of the vehicle tailpipe while traveling on the road.

⁷ Tire wear particulate matter emissions originate from tires as a result of wear.

⁸ Brake wear particulate matter emissions originate from brake usage.

Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evaporation, and Diurnal Loss Evaporation (grams per trip)

Starting exhaust tailpipe⁹ emissions were estimated for all pollutants. Hot soak evaporative¹⁰ emissions, running loss evaporative¹¹ emissions, resting loss evaporative¹² emissions, and diurnal evaporative¹³ emissions are specific to ROG emissions. For starting, hot soak, and running loss emissions, emission factors for trucks and passenger vehicles were developed per trip, consistent with the EMFAC output. For resting loss and diurnal emissions, emission factors in grams per vehicle per day from EMFAC were converted to grams per trip using the equation provided in CalEEMod 2020.4.0 User's Guide (CAPCOA 2021) to yield uniform emission factor units. The respective grams per trip emission factors by pollutant were then multiplied by the average daily vehicle trips to estimate emissions associated with vehicle starting and ROG evaporative emissions.

Idling (grams per vehicle per minute)

Truck idling¹⁴ was estimated using EMFAC emission factors that were converted from grams per vehicle per day to grams per minute of idling per vehicle based on EMFAC-provided idle duration per truck category. The idling emissions were calculated by multiplying the per-minute emission factors for each respective pollutant by the estimated idle duration of 10 minutes per truck trip, representing up to two idling events of a maximum of 5 minutes of idling each instance. For vehicles traveling on- and off-site, one idling event was assumed to occur off-site and one idling event was assumed to occur on-site; for vehicles that are on-site only, both idling events were assumed to occur on-site.

Paved Road Dust (grams per mile)

Vehicles that drive on paved roads generate fugitive dust by dispersing the silt from the roads. Paved road dust PM₁₀ and PM_{2.5} emission factors were developed pursuant to the CalEEMod 2020.4.0 road dust equation and based on road surface silt loading factors from CalEEMod and particle size multipliers from AP-42 Section 13.2.1 Paved Roads (EPA 2011). Emissions were calculated by multiplying the paved road dust emission factors by the VMT. Different paved road emission factors were applied for off-site and on-site vehicle travel to account for anticipated project-specific values for on-site paved roads.

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- ⁹ Start exhaust tailpipe emissions occur when starting a vehicle. These emissions are independent of running exhaust emissions and represent the emissions occurring during the initial period when a vehicle is warming up. The magnitude of these emissions is dependent on how long the vehicle has been sitting prior to starting. Starting exhaust is defined differently for heavy-duty diesel trucks than for other vehicles.
- ¹⁰ Hot soak evaporative hydrocarbon emissions occur immediately after a trip due to fuel heating, since an engine remains hot for up to 35 minutes after being switched off.
- ¹¹ Running loss evaporative hydrocarbon emissions occur as a result of hot fuel vapors that escape from the fuel system or overwhelm the carbon canister while the vehicle is operating.
- ¹² Resting loss evaporative hydrocarbon emissions occur while the vehicle is sitting and are caused by fuel permeation through rubber and plastic components. Emissions are counted as resting loss emissions if the vehicle has not been operated for 35 minutes and has been stationary, while the ambient temperature is either constant or decreasing.
- ¹³ Diurnal evaporative hydrocarbon emissions occur when rising ambient temperatures cause fuel evaporation from vehicles sitting throughout the day. These losses are from leaks in the fuel system, fuel hoses, connectors, and as a result of the breakthrough of vapors from the carbon canister. If a vehicle is sitting for a period of time, emissions from the first 35 minutes are considered as hot soak, and emissions from the remaining period are considered as diurnal emissions, provided that the ambient temperature is increasing during the remaining period of time.
- ¹⁴ Idle exhaust emissions come out of the vehicle tailpipe while it is operating, but not traveling any substantial distance. This process captures emissions from heavy-duty vehicles that idle for extended periods of time while loading or unloading goods. Idle exhaust is calculated only for heavy-duty trucks.

Logging and Chipping

Removal of trees and vegetation located at the engineered fill placement pads on the Centennial and Brunswick Industrial Sites would occur concurrently with fill placement. As such, the entire 24-acres would not be cleared at once but would rather occur over very brief periods (potentially a day per year) for a period of approximately 11-years. For the criteria air pollutant analysis, a worst-case day was assumed. For the TACs and GHGs, the total emissions for logging and chipping the 24-acres were amortized over 11-years to determine an annual average. The off-road equipment and on-road vehicle assumptions for this activity were provided by Rise and are presented below in Tables 10 and 11.

Table 10. Off-Road Equipment Assumptions – Logging and Chipping

Location	Equipment				
	Equipment Type	Fuel	Quantity	Usage Hours Per Day	Total Days
Logging and Chipping at the Centennial Industrial Site and Brunswick Industrial Site	Chainsaw	Diesel	4	6	10
	Grapple loader	Diesel	1	6	10
	Front-end loader	Diesel	1	6	10
	Skidder	Diesel	1	6	10
	Grinder	Diesel	1	4	5
	Excavator	Diesel	2	4	5

Notes: See Appendix A for details.

“Total Days” represents the anticipated duration to complete the entire logging and chipping of the 24-acres to be cleared.

Table 11. On-Road Vehicle Trip Assumptions – Logging and Chipping

Project Vehicle	Trip Length (miles)	Maximum Daily Trips (trips/day)	Maximum Daily VMT (VMT/day)	Total Trips	Total VMT
Lumber Haul Trucks	145	22	3,190	220	31,900
Chip Trucks	60	6	360	30	1,800
Low Bed Trucks	60	2	120	10	600
Crew/ Service Trucks	14.7	8	118	80	1,176

Notes: VMT = vehicle miles traveled

“Total Trips” and “Total VMT” represents the anticipated trips and miles needed to complete the entire logging and chipping of the 24-acres to be cleared.

Lumber haul truck trip length of 145 miles was assumed based on distance to lumber sawmills in Redding.

Chip and low bed truck trip lengths of 60 miles were assumed based on the estimated distance from the Centennial and Brunswick Industrial Sites to various other customers in the region.

Crew vehicle trip length of 14.7 miles is based on the CalEEMod default employee rural trip length for NSAQMD.

Emergency Generator Routine Testing and Maintenance

During operations, 4 diesel emergency generators (2,655 hp each) would undergo routine testing and maintenance. Emission data sheets for the representative Cummins model QSK60-G17 were incorporated into the modeling. For a worst-case day, it was conservatively assumed that all 4 generators would undergo routine testing and maintenance of up to 2 hours each on the same day, 1 time per month. For annual emissions, these emergency

generators were assumed to undergo testing and maintenance for up to 100 hours, based on CARB's ATCM for Stationary Compression Ignition Engines.

Underground Blasting and Crushing

Ore production through tunneling and long-hole blasting is anticipated to produce 1,000 tons per a day (365,000 tons per year) of ore. The ore may be reduced in size using an underground jaw crusher before hoisting it to the surface. For this analysis, it was assumed that approximately 0.93 tons of ammonium nitrate fuel oil (ANFO) and 257 detonators¹⁵ would be used daily and that all ore would be crushed underground. Emission factors from EPA's AP-42: Compilation of Air Emission Factors were used to estimate emissions for rock blasting (AP-42 Chapter 11.9 – Western Surface Coal Mining) (EPA 1998), ANFO (AP-42 Chapter 13.3 – Explosives Detonation) (EPA 1980), detonators (AP-42 Chapter 15.9 – Blasting Caps, Demolition Charges, and Detonators) (EPA 2009), and crushing (AP-42 Chapter 11.19.2 – Crushed Stone Processing and Pulverized Mineral Processing) (EPA 2004).

Ore Processing

Ore hoisted from the Brunswick shaft would be placed in the existing concrete silo located on the Brunswick property and then transported using chutes and enclosed conveyor to a fully enclosed ore processing plant. Ore would be conveyed from the silo to inside the processing plant and grinding mill where water is added and the ore is ground to size before the gold is recovered. A gravity concentrator is in the grinding circuit to recover approximately 70% of the gold. The slurry of ore and water that results from this process would be pumped to a second gold recovery system, sulfide flotation, where the remaining recoverable gold is captured in a sulfide mineral concentrate. Each method would remove gold from the ore into a concentrate. The gold concentrate would be dewatered using thickeners and filter presses before it is bagged for off-site shipment. The gravity gold concentrate may be further concentrated on site using gravity and water to create gold doré bars. Approximately 20 tons of gold concentrate would be produced and bagged on site per day. Sand tailings (waste) from the gold recovery process would be dewatered and used for either backfill for the underground mine or stockpiled for transport and used as engineered fill. Emission factors from EPA's AP-42: Compilation of Air Emission Factors were used to estimate emissions of PM₁₀ and PM_{2.5} for conveyance/transfer of the ore to the processing building (AP-42 Chapter 11.19.2 – Crushed Stone Processing and Pulverized Mineral Processing) (EPA 2004), material handling and transfer (AP-42 Chapter 11.24 – Metallic Minerals Processing) (EPA 1982), and cement loading (AP-42 Chapter 11.12 – Concrete Batching) (EPA 2006a). Once inside the processing building, all processes are considered wet and would not generate fugitive dust.

Reagent Storage

Various reagents would be used for ore processing (i.e., for collection, promotion, frothing, flocculation, descaling). According to the reagent-specific Material Safety Data Sheets, the reagents selected would not result in ROG emissions.

¹⁵ Notably, as described in Appendix B, according to the safety data sheet for the detonators to be used, no TACs would be emitted with OEHHA approved reference exposure levels and therefore would not impact the health risk calculations assessed herein. However, emission factors for the generation of criteria air pollutants and GHGs from detonator combustion were incorporated in the modeling to estimate their respective emissions.

Fuel Tank Storage

ROG emissions from breathing and working losses associated with the aboveground diesel storage tanks were estimated using the EPA TANKS model (Version 4.09d). It was assumed a 30,000-gallon tank and 1,200-gallon tank would be located at the Brunswick and Centennial Industrial Site, respectively.

Earthwork and Material Handling

Barren rock hoisted from the Brunswick shaft will be placed in the existing concrete silo located at the Brunswick Industrial Site. The barren rock will be transported from the concrete silo using a series of chutes and conveyors to a fully enclosed truck loading building. Barren rock may be mixed with sands from the ore processing plant to create an engineered fill that meets appropriate geotechnical specifications for construction of development pads. Engineered fill would be transported from the ore processing facility to a receiving site, where it would be spread using a dozer. Fugitive dust emissions associated with the earthwork activities were estimated using equations and assumptions from EPA AP-42 based on 1,000-ton-per-day material transfer. Emission factors from EPA's AP-42: Compilation of Air Emission Factors were used to estimate emissions for material handling (AP-42 Chapter 13.2.4 – Aggregate Handling and Storage Piles) (EPA 2006b), bulldozer spreading and fill compaction (AP-42 Chapter 11.9 – Western Surface Coal Mining) (EPA 1998), and wind erosion (AP-42 Chapter 11.9 – Western Surface Coal Mining) (EPA 1998). Notably, for fill transported to off-site industrial sites (for year 2033 and beyond), emissions associated with fill placement were not included since it was assumed that the other industrial facilities are already receiving, or would receive, fill from other sources.

Architectural Coatings

ROG off-gassing emissions result from evaporation of solvents contained in surface coatings, such as in paints and primers used during building maintenance. Default assumptions from CalEEMod were applied in the analysis, which calculates the ROG evaporative emissions from application of nonresidential surface coatings based on the ROG emissions factor, the building square footage, the assumed fraction of surface area, and the reapplication rate. The model default reapplication rate of 10% of area per year was assumed (CAPCOA 2021).

Consumer Products

Consumer products are chemically formulated products used by household and institutional consumers, including detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products (CAPCOA 2021). Consumer product ROG emissions were estimated using default assumptions from CalEEMod based on the floor area of nonresidential buildings and on the default factor of pounds of ROG per building square foot per day. For parking lot land uses, CalEEMod estimates ROG emissions associated with use of parking surface degreasers based on a square footage of parking surface area and pounds of ROG per square foot per day.

2.4.2.3 Reclamation Emissions

Upon completion of underground mining, access to underground workings would be closed, consistent with federal and state regulations. Upon completion of aboveground ore processing and off-site sale of engineered fill, the Brunswick Industrial Site would be reclaimed, with the majority of the aboveground facilities and structures remaining to support the site's post-mining industrial land use. All paved surfaces, including access roads, parking

areas, and driveways, would remain to facilitate access to the site and buildings. The Brunswick and Centennial Industrial Sites fill slopes would be revegetated with an erosion-control seed mix to reduce erosion and maintain fill slope stability. The reclamation phase was assumed to occur in the year 2103 over a period of approximately 3-months, based on the assumptions provided by Rise, which are summarized in Table 12, Reclamation Off-Road Equipment Assumptions, and Table 13, Reclamation On-Road Vehicle Trip Assumptions.

Table 12. Reclamation Off-Road Equipment Assumptions

Phase	Schedule (Month/Year)	Equipment				
		Equipment Type	Fuel	Quantity	Usage Hours Per Day	Days Per Week
Reclamation	1/2103 – 3/2103	Forklift	Diesel	2	4	6
		Crane	Diesel	1	4	6

Notes: See Appendix A for details

Table 13. Reclamation On-Road Vehicle Trip Assumptions

Project Vehicle	Trip Length (miles)	Maximum Daily Trips (trips/day)	Maximum Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Workers	16.8	16	269	1,216	20,429
Pickup Trucks	15	8	120	608	9,120

Notes: VMT = vehicle miles traveled

See Appendix A for complete details.

Pickup trucks would be used on-site, with a conservative trip length of 15 miles.

Worker trip lengths are based on the CalEEMod default rural trip lengths for NSAQMD.

2.4.2.4 Health Risk Assessment

An HRA was performed to evaluate potential health risk associated with construction and operations of the project. Notably, in addition to the typical day-to-day construction equipment listed in Table 4 and Table 7, 2,655 horsepower diesel generators could be required as emergency backup for Pacific Gas & Electric (PG&E) line power during construction (two generators) and operations (four generators).¹⁶ For purposes of the HRA, the emergency generators were assumed to operate for up to 100 hours per year in accordance with CARB's Airborne Toxics Control Measure for Stationary Compression Ignition Engines. Emissions for the generators were estimated based on the exhaust emission data sheets for the representative Cummins model QSK60-G17, which are Tier 4 Final engines.

The TAC emissions associated with blasting and crushing, ore processing, and earthwork and material handling would include asbestos and silica emitted from the fugitive dust produced. The applicant estimates that the ore processed would be quartz veins hosted primarily within andesite rock and an assumed 60% silica content. For conservatism all particulate matter less than 10 micron in diameter (PM₁₀) is assumed to be respirable. The applicant has prepared an Asbestos, Serpentine, and Ultramafic Rock Management Plan (ASUR Plan) which is designed to minimize asbestos content in the engineered fill produced by the project and from rock mined and

¹⁶ Potential emergency generator use is discussed further in Section 2.6, Emergency Generators during Public Safety Power Shutoffs.

processed (Rise Grass Valley Inc. 2021). The ASUR plan requires testing of all mined materials to ensure that the average content of naturally occurring asbestos does not exceed 0.01% by mass of PCM equivalent units¹⁷. The ASUR plan also ensures that no engineered fill with detectable asbestos, determined by Polarized Light Microscopy (PLM), would be used for surfacing applications. The ASUR plan includes asbestos testing by Transmission Electron Microscopy (TEM) to ensure the average content of naturally occurring asbestos does not exceed 0.01% by mass of PCM equivalent units. TEM is the preferred analytical method for outdoor asbestos samples because of its ability to detect small fibers (greater than or equal to 0.0002 microns in diameter) and to distinguish between asbestos fibers and non-asbestos fibers. The term “TEM structures” is often used to describe asbestos fibers detected by this method. TEM is the method recommended by the Office of Environmental Health Hazard Assessment (OEHHA). However, TEM measurements cannot be directly related to the cancer potency factors because the studies upon which OEHHA’s risk assessment was based used PCM analysis. Thus, the TEM measurements must be converted to PCM-equivalent units. A conservative approach for the modelling of TAC emissions is used, with the asbestos content in mined materials assumed at the maximum of 0.01% by mass of PCM equivalent units. The average asbestos content of the total mined material is of primary concern since asbestos does not have established acute noncancer effects (OEHHA 2020). Therefore, only the average asbestos emissions that could be generated over the long-term (per year), and associated long-term health risk, has been evaluated herein. However, it should be noted that since mine operations would be required to comply with MSHA PELs that protect underground workers from asbestos fiber exposure during short-term shifts, this compliance would also result in limiting potential emissions of asbestos aboveground from the shaft in general.

Blasting and crushing would also result in emissions of dust with trace heavy metal TACs including arsenic, beryllium, cadmium, copper, lead, manganese, mercury, nickel, selenium, and vanadium. Concentrations of each heavy metal within the barren and mineralized rock was taken from Table 4-7 of the *Groundwater Hydrology and Water Quality Analysis Report for the Idaho-Maryland Mine Project* (EMKO Environmental, Inc. 2020). Based on the PM₁₀ emissions estimated, emissions of asbestos, silica, and heavy metals were estimated for purposes of the health risk modeling. Other emissions of TACs from blasting pertain to the combustion of ANFO, which were estimated based on emission factors from *AB 2588 Combustion Emission Factors* (Ventura County Air Pollution Control District 2001).

The following discussion summarizes the dispersion modeling and HRA methodology. Supporting documentation, including detailed assumptions, is presented in Appendix B.

A dispersion modeling analysis was conducted for the HRA of DPM emitted from diesel vehicles and off-road equipment, blasting emissions, and TACs from fugitive dust sources on the project site to assess the health risk impacts of the project’s construction and operation on proximate off-site sensitive receptors. The dispersion modeling was performed using AERMOD Version 21112, which is the model that EPA approved and NSAQMD recommends for atmospheric dispersion of emissions. AERMOD is a steady-state Gaussian plume model that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of surface and elevated sources, building downwash, and simple and complex terrain. Principal parameters of AERMOD for project construction and operations included the following:

- **Dispersion Model:** The air dispersion model used was AERMOD, Version 21112, with the Lakes Environmental Software implementation/user interface, AERMOD View, Version 10.0.1. A unit emission

¹⁷ PCM equivalent units are calculated in accordance with OEHHA Air Toxics Hot Spots Program Guidelines. 1 PCM fiber = 320 TEM structures, 100 PCM fibers = 0.003ug (OEHHA 2015)

rate (1 gram per second) was normalized over each unique source of emissions for the AERMOD run to obtain the “X/Q” values. X/Q is a dispersion factor that is the average effluent concentration normalized by source strength, and is used as a way to simplify the representation of emissions from many sources. The maximum concentrations were determined for the 1-hour and period averaging periods.

- **Meteorological Data:** The nearest stations with processed meteorological data for use in AERMOD are Blue Canyon (17 miles away), Auburn (18 miles away), and Beale (22 miles away). The predominant wind direction at the project site is from the North-East and South-West direction (Meteoblue 2020). The Blue Canyon met station has a predominant wind direction from the North-East and South; the Auburn met station from the East; and the Beale met station from the South-East and North-West (CARB 2020). Blue Canyon was selected since it is the closest station and is the most representative of the project site. The latest 6-year meteorological data (2009–2014) for the Blue Canyon – Nyack Airport were downloaded from CARB, and then input to AERMOD.
- **Urban and Rural Options:** Typically, urban areas have more surface roughness and structures and low-albedo surfaces that absorb more sunlight, and thus, more heat, relative to rural areas. The rural dispersion option was selected based on the predominant development within 2 kilometers of the project site.
- **Terrain Characteristics:** Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate for the site. This accounts for complex terrain within 2 kilometers of the site. The National Elevation Dataset (NED) dataset with resolution of 1/3 arc-second was used. The AERMAP terrain preprocessor, which can process U.S. Geological Survey (USGS) Digital Elevation Model (DEM) data and data from the NED, is also used to generate the terrain elevations for the receptor locations. The AERMAP program generates an output file that contains the receptor pathway data for AERMOD. Thus, project site-specific terrain data that accounts for variations of terrain at the site and in the proximate vicinity has been accounted for in the dispersion modeling and HRA.
- **Sensitive Receptors:** The HRA evaluates the risk to existing sensitive (including residential) receptors located in proximity to the project site. Discrete cartesian receptors were placed at residents proximate to the project site. A uniform Cartesian grid of 4,426 by 3,299 meters was centered over the project site to capture the maximum point of impact and extent of the plume isopleth.
- **Source Release Scenario:** Emission source specific variable emission scalars were used for those sources not operating 24 hours per day, 365 days per year, as shown in Appendix B.
- **Buildings:** The project’s buildings were imported into AERMOD from the applicant’s GIS dataset. Appropriate building heights were assigned where available.

Plot files generated in AERMOD were then imported into CARB’s Hotspots Analysis and Reporting Program Version 2 (HARP2), with ground level concentrations determined by multiplication of emission rates and X/Q values for each individual source of emissions. HARP2 then assessed resulting cancer and noncancer risk at the existing receptors from exposure to TAC emissions. For residential health risk, the HRA was based on the assumption that exposure to TAC emissions would start in the 3rd trimester of pregnancy, for a duration of 30 years,¹⁸ in accordance with the Office of Environmental Health Hazard Assessment’s (OEHHA’s) Air Toxics Hot Spots Program Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments 2015 (2015 Risk Assessment Guidelines Manual; OEHHA 2015).

¹⁸ OEHHA describes cancer risk evaluations for 9-, 30-, and 70-year exposure durations in the 2015 Risk Assessment Guidelines Manual, and identifies that the 9- and 30-year durations correspond to the average and high-end of residency time recommended by the EPA, with the 30-year exposure duration recommended for use as the basis for estimating cancer risk at the maximally exposed individual resident in all HRAs (OEHHA 2015).

2.4.3 Applicant Proposed Measures

APMs that are relevant to the air quality analysis are presented below. This impact analysis assumes that all APMs would be implemented as conditions of approval, as defined below.

APM-AQ-1: Exhaust Emission Controls. The following measures shall be implemented reduce exhaust emissions:

- During construction, operation, and reclamation:
 - o All off-road diesel-fueled equipment and emergency generators owned by Rise Grass Valley Inc. shall be equipped with Tier 4 Final engines.
 - o Unnecessary construction vehicle idling time shall be minimized. The ability to limit construction vehicle idling time is dependent on the sequence of activities and when and where vehicles are needed or staged. Certain vehicles, such as large diesel-powered vehicles, have extended warm-up times following start-up that limit their availability for immediate use. Where such diesel-powered vehicles are required for repetitive construction tasks, these vehicles may require more idling time. The project shall apply a “common sense” approach to vehicle use such that idling is reduced as much as possible below the maximum of 5 consecutive minutes required by regulation (13 CCR 2449 and 2485). If a vehicle is not required for use immediately or continuously for activities or for other safety-related reasons, its engine shall be shut off.
 - o All off-road equipment shall be maintained in accordance with manufacturer’s specifications. All equipment shall be checked by a qualified mechanic, and equipment shall be confirmed that it is in proper condition prior to operation.
- Additionally, during operations, all underground off-road equipment shall be electrically powered,

APM-AQ-2: Surface Fugitive Dust Controls. The following measures shall be implemented to reduce surface fugitive dust emissions:

- During construction, operation, and reclamation, all exposed soil surfaces (e.g., unpaved disturbed areas, unpaved parking areas, and unpaved staging areas, and soil piles) shall be adequately wetted to ensure that no visible dust crosses the property boundary, except when rains are occurring. As an alternative to watering, inactive soil piles shall be covered to minimize wind erosion.
- During construction, on-site roadways shall be paved as soon as possible after grading and any unpaved gravel roads shall be treated with chemical stabilizers in order to control fugitive dust.

APM-AQ-3: Asbestos, Serpentine, and Ultramafic Rock Management Plan (ASUR Plan). Rise Grass Valley Inc. shall implement the ASUR Plan, which incorporates measures designed to minimize asbestos in the engineered fill produced by the project, as well as minimize the emission of asbestos-containing dust from the underground mine. The ASUR Plan builds on the provisions of applicable regulations, including the two CARB ATCMs for naturally occurring asbestos (i.e., ATCM for Surfacing Applications (17 CCR 93106) and ATCM for Construction, Grading, Quarrying and Surface Mining Operations (17 CCR 93105)), and includes additional measures beyond what is required in the ATCMs in order to limit any potential emission of asbestos dust and to protect human health and the environment. The ASUR plan incorporates routine asbestos testing by Transmission Electron Microscopy (TEM) and an Asbestos

Inventory to ensure that average mined material and engineered fill contains less than 0.01% asbestos by mass of PCM equivalent units.

2.5 Impact Analysis

2.5.1 Threshold AQ-1

Would the project conflict with or obstruct implementation of the applicable air quality plan?

An area is designated as “in attainment” when it is in compliance with the federal and/or state standards. These standards are set by the EPA or CARB for the maximum level of a given air pollutant that can exist in the outdoor air without unacceptable effects on human health or public welfare with a margin of safety. As discussed in Section 2.3.1, Attainment Designation, western Nevada County, which includes the project site, is designated as nonattainment for the federal and state O₃ standards. The County is also designated as nonattainment for the state PM₁₀ standard. As a nonattainment area, the NSAQMD submitted an Ozone Attainment Plan to the EPA (NSAQMD 2018). Once adopted by the EPA, the Ozone Attainment Plan will be a federally enforceable air quality attainment plan for western Nevada County designed to reduce emissions of O₃ precursors (ROG and NO_x) to attain the federal 8-hour O₃ standard by December 31, 2021, in accordance with the Clean Air Act.

The general criteria for determining if a project would conflict or obstruct implementation of an Ozone Attainment Plan are (1) whether the project would exceed the NSAQMD CEQA thresholds of significance for O₃ precursors (ROG and NO_x) and could delay the timely attainment of the ambient air quality standards or interim emission reductions of the Ozone Attainment Plan, and/or (2) whether the project would result in demographic growth that would exceed the forecasts included in the Ozone Attainment Plan.

To address the criterion of whether the project would exceed the NSAQMD CEQA significance thresholds for O₃ precursors and potentially delay the timely attainment of the ambient air quality standards or interim emission reductions of the Ozone Attainment Plan, an air quality modeling analysis that identified the project’s impact on air quality was performed. This quantitative analysis is presented in Section 2.5.2, Threshold AQ-2. Per the NSAQMD, unmitigated project-generated emissions that are greater than zero (i.e., at Levels A, B, or C) are potentially significant and require mitigation. As presented in Threshold AQ-2, maximum daily unmitigated emissions of ROG would be at Level A and maximum NO_x emissions would be at Level B during construction and operations. Therefore, prior to mitigation, the project would result in potentially significant levels of ROG and NO_x and could conflict with or obstruct implementation of the Ozone Attainment Plan per criterion 1.

Regarding demographic growth, forecasts for various socioeconomic categories (e.g., population, housing, employment by industry) were developed by NCTC for its 2015–2035 RTP (NCTC 2018). The Ozone Attainment Plan relies on the land use and population projections provided in the 2015–2035 RTP, which is generally consistent with the local plans in Nevada County; therefore, the Ozone Attainment Plan is generally consistent with local government plans. The Brunswick Industrial Site is currently zoned Light Industrial (M1) with Site Performance Combining District (SP), which would be rezoned to Light Industrial with Mineral Extraction Combining District (M1-

ME). The primary purpose of the Mineral Extraction Combining District is to inform the public of the potential for mineral extraction. However, the base zoning district of M1 would remain the same.

As described in the 2015–2035 RTP, the mining, logging, and construction industry in Nevada County has resulted in an increase in 390 jobs from 2009 to 2014. Additionally, the mining, logging, and construction industry is projected to be the fastest-growing market through 2022, with an anticipated 37.4% growth rate (NCTC 2018). During full operations, the project would require approximately 312 direct employees. With development of the project, there may be a potential to result in population growth in the event that new employees move to the area. However, it is anticipated that most of the jobs associated with the project would be filled by residents within the vicinity of the project site. Thus, the project would not result in regional growth that is not accounted for within the Ozone Attainment Plan.

Mitigation Measures

MM-AQ-1 (Mitigations for Use During Construction) and MM-AQ-2 (Construction Exhaust Emissions Minimization Plan) would reduce ROG and NO_x emissions during short-term construction. See Section 2.5.2, Threshold AQ-2, for a description of MM-AQ-1 and MM-AQ-2.

Level of Significance After Mitigation

During construction and operations, emissions of ROG and NO_x would be considered less-than-significant after mitigation and the project would not conflict with or obstruct implementation of the Ozone Attainment Plan.

2.5.2 Threshold AQ-2

Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in nonattainment under an applicable Federal or State ambient air quality standard?

Past, present, and future development projects may contribute to adverse air quality impacts in the MCAB on a cumulative basis. In developing thresholds of significance for air pollutants, NSAQMD considered the emission levels for which a project's individual emissions would be cumulatively considerable. If a project exceeds the identified significance thresholds, its emissions would be considered cumulatively considerable, resulting in a significant adverse air quality impact to the region's existing air quality conditions. Therefore, if the project's emissions are below the NSAQMD's thresholds, then the project would not result in a cumulatively considerable increase of any criteria air pollutant.

As described in Section 2.4.2.1, Construction Emissions, for purposes of estimating project emissions, construction of the project is anticipated to occur over 12 months and assumed to take place from January 2021 through December 2021. Sources of air pollutant emissions during construction would include exhaust from off-road equipment and on-road vehicles (i.e., trucks and worker vehicles), emergency generator testing and maintenance, fugitive dust associated with grading and material handling, and ROG off-gassing from architectural coatings and asphalt paving. Many of the operational sources of air pollutant emissions would be similar to construction, and would include off-road equipment, on-road vehicles, emergency generator testing and maintenance, underground blasting and crushing, ore processing, reagent storage, fuel tank storage, earthwork and material handling, architectural coatings for repainting, and worker consumer products. Logging and chipping of trees would also occur

intermittently at the Centennial and Brunswick Industrial sites, as engineered fill is placed. Detailed assumptions associated with project construction and operations emission calculations are included in Appendix A.

Table 14 shows the estimated maximum daily unmitigated emissions associated with construction and operation of the project. As discussed in Section 2.4.1, the NSAQMD has established Level A, B, and C thresholds for ROG, NO_x, and PM₁₀. Per the NSAQMD, unmitigated project-generated emissions that are greater than zero are potentially significant and require mitigation.¹⁹ While no numeric thresholds have been established for CO, SO_x, or PM_{2.5}, emissions are presented for disclosure.

Table 14. Maximum Daily Project Emissions – Unmitigated

	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Source	Pounds per Day					
Year 2021 – Construction/Dewatering						
Off-Road Equipment ^a	6.71	53.84	50.83	0.10	2.30	2.15
On-Road Vehicles – Off-Site	1.34	8.79	10.83	0.05	3.54	1.05
On-Road Vehicles – On-Site	0.30	1.70	1.20	0.00	0.70	0.18
Diesel Fuel Tanks – Breathing/ Working	0.12	—	—	—	—	—
Emergency Generator Testing ^b	0.47	9.37	24.35	0.13	0.09	0.09
Fugitive Dust – Unpaved Roads/ Disturbed Areas/ Material Handling/ Wind Erosion ^c	—	—	—	—	8.30	2.95
Architectural Coatings	2.64	—	—	—	—	—
Asphalt Off-Gassing	0.38	—	—	—	—	—
Maximum Total Daily Emissions	11.96	73.69	87.21	0.28	14.93	6.43
NSAQMD Significance Threshold Level ^d	Level A (<24)	Level B (24-136)	N/A	N/A	Level A (<79)	N/A
Significant (Yes/No or Potentially)? ^e	Potentially	Potentially	No	No	Potentially	No
Year 2022 to 2026 – Mining, Brunswick Industrial Site Operations, Fill Placement at Centennial Industrial Site						
Off-Road Equipment ^a	0.65	6.67	25.51	0.05	0.06	0.06
On-Road Vehicles – Off-Site	1.27	21.65	4.22	0.05	7.20	2.08
On-Road Vehicles – On-Site	0.69	3.57	2.81	0.00	1.86	0.47
Logging/ Chipping – Off-Road Equipment	1.88	12.80	10.41	0.04	0.41	0.40
Logging/ Chipping – On-Road Vehicles – Off-Site	0.58	27.89	3.15	0.02	3.60	1.19

¹⁹ Following implementation of NSAQMD-recommended mitigation measures (as specified separately for Level A, B, and C) only emissions that exceed Level C thresholds are considered significant and unavoidable.

Table 14. Maximum Daily Project Emissions – Unmitigated

	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Source	<i>Pounds per Day</i>					
Logging/ Chipping – On-Road Vehicles – On-Site	0.03	0.32	0.21	0.00	0.13	0.03
Emergency Generator Testing ^b	0.94	18.73	48.70	0.26	0.19	0.19
Underground Blasting/Mining ^f	0.00	15.85	62.40	1.86	1.61	0.53
Ore Processing	—	—	—	—	0.29	0.21
Reagent Off-Gassing	0.00	—	—	—	—	—
Diesel Fuel Tanks – Breathing/ Working	0.12	—	—	—	—	—
Fugitive Dust – Unpaved Roads/ Disturbed Areas/ Material Handling/ Wind Erosion ^c	—	—	—	—	39.05	5.82
Architectural Coatings	0.26	—	—	—	—	—
Consumer Products	2.65	—	—	—	—	—
Maximum Total Daily Emissions	9.07	107.49	157.41	2.27	54.40	10.97
<i>NSAQMD Significance Threshold Level^d</i>	<i>Level A (<24)</i>	<i>Level B (24-136)</i>	<i>N/A</i>	<i>N/A</i>	<i>Level A (<79)</i>	<i>N/A</i>
Significant (Yes/No or Potentially)? ^e	Potentially	Potentially	No	No	Potentially	No
<i>Year 2027 to 2032 – Mining, Brunswick Industrial Site Operations, Fill Placement at Brunswick Industrial Site</i>						
Off-Road Equipment ^a	0.65	6.67	25.51	0.05	0.06	0.06
On-Road Vehicles – Off-Site	0.67	13.15	2.29	0.09	6.19	1.76
On-Road Vehicles – On-Site	0.60	4.77	3.70	0.01	2.75	0.69
Logging/ Chipping – Off-Road Equipment	1.88	12.80	10.41	0.04	0.41	0.40
Logging/ Chipping – On-Road Vehicles – Off-Site	0.58	27.89	3.15	0.02	3.60	1.19
Logging/ Chipping – On-Road Vehicles – On-Site	0.03	0.32	0.21	0.00	0.13	0.03
Emergency Generator Testing ^b	0.94	18.73	48.70	0.26	0.19	0.19
Underground Blasting/Mining ^f	0.00	15.85	62.40	1.86	1.61	0.53
Ore Processing	—	—	—	—	0.29	0.21
Reagent Off-Gassing	0.00	—	—	—	—	—
Diesel Fuel Tanks – Breathing/Working	0.12	—	—	—	—	—
Fugitive Dust – Unpaved Roads/ Disturbed	—	—	—	—	39.05	5.82

Table 14. Maximum Daily Project Emissions – Unmitigated

	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Source	<i>Pounds per Day</i>					
Areas/ Material Handling/ Wind Erosion ^c						
Architectural Coatings	0.26	—	—	—	—	—
Consumer Products	2.65	—	—	—	—	—
Maximum Total Daily Emissions	8.38	100.20	156.37	2.31	54.28	10.86
<i>NSAQMD Significance Threshold Level^d</i>	<i>Level A (<24)</i>	<i>Level B (24-136)</i>	<i>N/A</i>	<i>N/A</i>	<i>Level A (<79)</i>	<i>N/A</i>
Significant (Yes/No or Potentially)? ^e	Potentially	Potentially	No	No	Potentially	No
<i>Year 2033 to 2102 – Mining, Brunswick Industrial Site Operations, Fill Placement at Off-Site Location</i>						
Off-Road Equipment ^a	0.37	5.28	15.39	0.03	0.03	0.03
On-Road Vehicles – Off-Site	1.13	74.82	8.88	0.35	17.31	5.24
On-Road Vehicles – On-Site	0.40	2.99	2.48	0.01	2.64	0.66
Emergency Generator Testing ^b	0.94	18.73	48.70	0.26	0.19	0.19
Underground Blasting/Mining ^f	0.00	15.85	62.40	1.86	1.61	0.53
Ore Processing	—	—	—	—	0.29	0.21
Reagent Off-Gassing	0.00	—	—	—	—	—
Diesel Fuel Tanks – Breathing/Working	0.12	—	—	—	—	—
Architectural Coatings	0.26	—	—	—	—	—
Consumer Products	2.65	—	—	—	—	—
Maximum Total Daily Emissions	5.87	117.68	137.86	2.50	22.07	6.85
<i>NSAQMD Significance Threshold Level^d</i>	<i>Level A (<24)</i>	<i>Level B (24-136)</i>	<i>N/A</i>	<i>N/A</i>	<i>Level A (<79)</i>	<i>N/A</i>
Significant (Yes/No or Potentially)? ^e	Potentially	Potentially	No	No	Potentially	No
<i>Year 2103 – Reclamation</i>						
Off-Road Equipment ^a	0.08	0.32	3.91	0.01	0.01	0.01
On-Road Vehicles – Off-Site	0.19	0.36	0.90	0.01	0.30	0.09
Diesel Fuel Tanks – Breathing/Working	0.12	—	—	—	—	—
Maximum Total Daily Emissions	0.39	0.68	4.81	0.01	0.31	0.10
<i>NSAQMD Significance Threshold Level^d</i>	<i>Level A (<24)</i>	<i>Level A (<24)</i>	<i>N/A</i>	<i>N/A</i>	<i>Level A (<79)</i>	<i>N/A</i>
Significant (Yes/No or Potentially)? ^e	Potentially	Potentially	No	No	Potentially	No

Source: Appendix A

Notes: ROG = reactive organic gases; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = particulate matter with an aerodynamic diameter equal to or less than 10 microns; PM_{2.5} = particulate matter with an aerodynamic diameter equal to or less than 2.5 microns; NA = not applicable; NSAQMD = Northern Sierra Air Quality Management District.

Totals may not sum due to rounding.

- ^a Accounts for APM-AQ-1 (Exhaust Emission Controls), including Tier 4 Final equipment owned by Rise Grass Valley Inc..
- ^b For maximum daily emissions, all diesel generators (2 during construction and 4 during operations) were conservatively assumed to operate for 2 hours on the same day, 1 time per month.
- ^c For APM-AQ-2 (Surface Fugitive Dust Controls), a control efficiency of 55% was included when calculating the emissions of PM₁₀ and PM_{2.5} for vehicle traffic on unpaved roads during operation and a control efficiency of 80% was assumed for chemical stabilization on unpaved roads during construction. A moisture content of 13% was assumed when calculating emissions of PM₁₀ and PM_{2.5} during fill spreading and compaction to account for fugitive dust control.
- ^d The NSAQMD Threshold Levels are shown in Table 3.
- ^e Significance is based on Table 3 thresholds. For Level A or B criteria, emissions are considered potentially significant and trigger mitigation. If the emissions exceed the Level C threshold, they are considered significant and require greater mitigation. After incorporation of feasible mitigation, emissions at Level A or B would be less than significant, and emissions at Level C (i.e., >136 pounds per day) would be significant and unavoidable.
- ^f Includes emissions from rock blasting, combustion of ANFO, and detonators for blasting.

As shown in Table 14, daily unmitigated emissions of ROG, NO_x and PM₁₀ would be potentially significant (Level A or B) according to the NSAQMD significance criteria; therefore, mitigation is required. No criteria air pollutants would be at Level C. The NSAQMD does not have significance criteria for SO₂, CO, or PM_{2.5}. According to NSAQMD guidance, emissions exceeding the Level A significance threshold would contribute to existing nonattainment conditions and may also interfere with the region's ability to maintain ambient air quality standards if no mitigation is implemented.

Mobile Source Emissions by Air District

For the purpose of this analysis, it is assumed that all mobile source emissions generated by the project would occur within the NSAQMD jurisdictional boundaries. Assuming all mobile source emissions are included in the project's criteria air pollutant emissions inventory prior to comparing emissions to the NSAQMD thresholds represents a conservative assumption. Nonetheless, it is acknowledged that due to the assumed trip length for some project vehicles, that portions of project trips and associated mobile source emissions could occur outside of the NSAQMD jurisdictional boundaries and within other air district boundaries. Accordingly, for disclosure and to present the magnitude of potential emissions occurring within other air districts, off-site mobile source emissions for the Year 2033 to 2102 – Mining, Brunswick Industrial Site Operations, Fill Placement at Off-Site Location scenario by air district are presented herein. The Year 2033 to 2102 scenario was selected for this informational evaluation as it resulted in the maximum daily emissions of NO_x, CO, SO_x, PM₁₀, and PM_{2.5} from on-road vehicles; only ROG was slightly greater in other scenarios evaluated. The origins and destinations of all vehicle trip types is not available at this time; therefore, trip portions in other air districts are estimated based on the best available information. The CEQA Guidelines state that if a particular impact is too speculative for evaluation, the agency should note its conclusion and terminate discussion of the impact (14 CCR 15145). Nonetheless, this analysis is provided in an effort to show a good faith analysis and comply with CEQA's information disclosure requirements.

Based on best available information, air districts where project-generated mobile source emissions may occur are anticipated to include Placer County Air Pollution Control District (PCAPCD), Sacramento Metropolitan Air Quality Management District (SMAQMD), Yolo-Solano Air Quality Management District (YSAQMD), and the Bay Area Air Quality Management District (BAAQMD), in addition to the NSAQMD. Of note, there are no project activities that fall within the permitting jurisdiction of any air district other than the NSAQMD. The PCAPCD, SMAQMD, YSAQMD, and BAAQMD, however, are responsible for planning to attain applicable ambient air quality standards, and as part of

this planning obligation, these air districts are responsible for accounting for vehicular emissions from locations within their respective boundaries. Air districts do not directly regulate vehicle exhaust emission standards, which are regulated by the EPA under the federal Clean Air Act and by CARB under both federal and state laws.

To estimate the criteria air pollutant emissions by air district, the unmitigated off-site mobile source emissions for running exhaust and paved road dust were apportioned to each air district according to the estimated VMT for each trip that may occur within that air district boundary. For this emission estimation, only running exhaust and paved road dust emissions were included; starting and idling emissions, which are minor, are excluded since the focus is on the VMT rather than the ultimate origin and/or destination of each trip. In the Year 2033 to 2102 scenario, haul trucks, freight trucks, explosive trucks, and cement delivery trucks are anticipated to have a 60-mile one-way trip length, which represents a trip distance between the project site to as far as Sacramento. Assuming a destination of Sacramento, haul trucks, freight trucks, explosive trucks, and cement delivery trucks were assumed to have the following air district trip mileage breakdown: 16 miles (27%) within NSAQMD, 26 miles (43%) within PCAPCD, and 18 miles (30%) within SMAQMD. Concentrate trucks are assumed to have a 145-mile one-way trip length, which represents a trip distance between the project site and the Port of Oakland. For concentrate trucks, the following air district trip mileage breakdown was assumed: 16 miles (11%) within NSAQMD, 26 miles (18%) within PCAPCD, 17 miles (12%) within SMAQMD, 34 miles (23%) within YSAQMD, and 52 miles (36%) within BAAQMD. Fuel trucks, outside services, and employees, which all have an assumed one-way trip length less than 15 miles, are anticipated to occur within the NSAQMD boundaries.

Table 15 presents the maximum daily project-generated off-site mobile source emissions by air district based on the assumptions discussed above for informational purposes only.

Table 15. Maximum Daily Project Off-Site Mobile Source Emissions by Air District – Unmitigated

Source	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
	Pounds per Day					
Year 2033 to 2102 – Mining, Brunswick Industrial Site Operations, Fill Placement at Off-Site Location						
NSAQMD	0.24	18.90	1.81	0.10	22.44	5.82
PCAPCD	0.28	29.39	2.75	0.13	29.16	7.54
SMAQMD	0.20	20.46	1.91	0.08	20.32	5.23
YSAQMD	0.02	1.71	0.16	0.01	1.71	0.44
BAAQMD	0.03	2.68	0.25	0.01	2.68	0.69

Source: Appendix A

Notes: ROG = reactive organic gases; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = particulate matter with an aerodynamic diameter equal to or less than 10 microns; PM_{2.5} = particulate matter with an aerodynamic diameter equal to or less than 2.5 microns; NSAQMD = Northern Sierra Air Quality Management District; PCAPCD = Placer County Air Pollution Control District; SMAQMD = Sacramento Metropolitan Air Quality Management District; YSAQMD = Yolo-Solano Air Quality Management District; BAAQMD = Bay Area Air Quality Management District.

Combined emissions by air district do not match total project-generated mobile source emissions due to rounding and inclusion of running exhaust and paved road emissions only.

Health Effects of Criteria Air Pollutants

ROG and NO_x are precursors to O₃, for which the MCAB is designated as nonattainment with respect to the NAAQS and CAAQS. As discussed previously, the health effects associated with O₃ are generally associated with reduced lung function. The contribution of ROG and NO_x to regional ambient O₃ concentrations is the result of complex

photochemistry. The increases in O₃ concentrations in the MCAB due to O₃ precursor emissions tend to be found downwind from the source location to allow time for the photochemical reactions to occur. However, the potential for exacerbating excessive O₃ concentrations would also depend on the time of year that the ROG emissions would occur because exceedances of the O₃ NAAQS and CAAQS tend to occur between April and October when solar radiation is highest. The holistic effect of a single project's emissions of O₃ precursors is speculative due to the lack of quantitative methods to reliably and meaningfully assess this impact. Thus, a project's ROG and NO_x emissions are evaluated in the context of the NSAQMD significance thresholds, which define the levels of emissions that can occur without causing or contributing to violations of the NAAQS or CAAQS. In turn, the NAAQS and CAAQS define the pollutant concentrations above which adverse health effects are expected to occur. Nonetheless, because ROG and NO_x emissions associated with project construction and operation would be potentially significant before mitigation, the project could minimally contribute to regional O₃ concentrations and the associated health effects.

Health effects that result from NO_x (including NO₂) include respiratory irritation. NO_x emissions from project construction and operation would be at Level B. Construction and operation of the project is not anticipated to contribute to exceedances of the NAAQS or CAAQS for NO₂ because the MCAB is designated as in attainment of the NAAQS and CAAQS for NO₂, and the existing NO₂ concentrations in the area are well below the NAAQS and CAAQS standards.

CO tends to be a localized impact associated with congested intersections. As described in Section 2.5.3, Threshold AQ-3, the project would result in minimal new traffic trips and would not exceed the CO screening criteria resulting in the formation of potential CO hotspots. Thus, the project's CO emissions would not contribute to significant health effects associated with this pollutant.

Construction and operation of the project would result in PM₁₀ emissions at NSAQMD threshold Level A, which would be considered potentially significant before mitigation. As such, the project would potentially contribute to exceedances of the CAAQS for PM₁₀, and would potentially obstruct the MCAB from coming into attainment for these pollutants. The project would be required to comply with NSAQMD Rule 207, Particulate Matter, and would implement APM-AQ-2, Surface Fugitive Dust Controls, which would limit the amount of dust generated during construction and operation.

Notably, as detailed in Appendix C, there are numerous scientific and technological complexities associated with correlating criteria air pollutant emissions from an individual project to specific health effects or potential additional nonattainment days, such as the disconnect between mass emissions and concentrations due to secondary pollutant (such as O₃) generation and pollutant transport, as well as the inaccuracy of applying regional and population-wide models to a local level in order to estimate health effects, and there are currently no modeling tools endorsed by an expert agency (i.e., NSAQMD) that could provide reliable and meaningful additional information regarding health effects from criteria air pollutants generated by individual projects.

Mitigation Measures

MM-AQ-1: Mitigations for Use During Construction. The following measures are from the Northern Sierra Air Quality Management District and are based on the significance threshold level of emissions.

For all Significance Level Thresholds (A, B, and C)

- a. Alternatives to open burning of vegetative material shall be used unless deemed infeasible by the Northern Sierra Air Quality Management District. Among suitable alternatives are chipping, mulching, or conversion to biomass fuel.
- b. Grid power shall be used (as opposed to diesel generators) for job site power needs where feasible during construction.

Additional Measures for Classification as Level B Threshold

- c. All controls discussed above (a and b) shall be implemented.
- d. Temporary traffic control shall be provided during all phases of the construction to improve traffic flow as deemed appropriate by the local transportation agencies and/or the California Department of Transportation.
- e. Construction activities shall be scheduled to direct traffic flow to off-peak hours as much as practicable.

MM-AQ-2: Construction Exhaust Emissions Minimization Plan. Rise Grass Valley Inc. or its designee shall submit a Construction Exhaust Emissions Minimization Plan to Nevada County or its designated representative for review and approval. The Construction Exhaust Emissions Minimization Plan shall detail project compliance with the following requirements:

- Where access to alternative sources of power and alternative-fueled equipment are available, portable diesel engines shall be prohibited.
- All diesel-powered equipment with engines equal to or greater than 50 horsepower (hp) shall be powered by California Air Resources Board (CARB) certified Tier 4 Final engines. If 50 hp or greater engines that comply with Tier 4 Final emissions standards are not commercially available, then the project applicant shall ensure that all diesel-powered equipment equal to or greater than 25 hp will have at least CARB-certified Tier 3 engines with the most effective Verified Diesel Emission Control Strategies available for the engine type, such as Level 3 Diesel Particulate Filters (Tier 4 engines automatically meet this requirement).
 - a. For purposes of this mitigation measure, “commercially available” shall mean the availability of the Tier 4 Final equipment, taking into consideration factors such as critical path timing of construction and geographic proximity of the equipment location to the project site.
 - b. The project applicant shall maintain and submit records to Nevada County concerning its efforts to comply with this requirement.

Level of Significance After Mitigation

The emission data presented in Table 14 (i.e., unmitigated emissions) reflect the reductions that would occur with implementation of APM-AQ-1 and APM-AQ-2. Table 16 shows the estimated maximum daily mitigated emissions associated with construction and operation of the project, accounting for additional emissions reductions associated with MM-AQ-2, which would result in a reduction in construction contractors’ equipment exhaust criteria

air pollutants during project construction (year 2021).²⁰ No additional reductions could be quantified for MM-AQ-1, which are the NSAQMD recommended mitigation measures that are applicable to the project (NSAQMD 2021).

Table 16. Maximum Daily Project Emissions – Mitigated

	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Source	Pounds per Day					
Year 2021 – Construction/Dewatering						
Off-Road Equipment ^a	3.25	15.97	54.08	0.10	0.60	0.60
On-Road Vehicles – Off-Site	1.34	8.79	10.83	0.05	3.54	1.05
On-Road Vehicles – On-Site	0.30	1.70	1.20	0.00	0.70	0.18
Diesel Fuel Tanks – Breathing/Working	0.12	—	—	—	—	—
Emergency Generator Testing ^b	0.47	9.37	24.35	0.13	0.09	0.09
Fugitive Dust – Unpaved Roads/ Disturbed Areas/ Material Handling/ Wind Erosion ^c	—	—	—	—	8.30	2.95
Architectural Coatings	2.64	—	—	—	—	—
Asphalt Off-Gassing	0.38	—	—	—	—	—
Maximum Total Daily Emissions	8.50	35.82	90.46	0.28	13.23	4.87
NSAQMD Significance Threshold Level ^d	Level A (<24)	Level B (24-136)	N/A	N/A	Level A (<79)	N/A
Significant (Yes/No or Potentially)? ^e	No	No	No	No	No	No
Year 2022 to 2026 – Mining, Brunswick Industrial Site Operations, Fill Placement at Centennial Industrial Site						
Off-Road Equipment ^a	0.65	6.67	25.51	0.05	0.06	0.06
On-Road Vehicles – Off-Site	1.27	21.65	4.22	0.05	7.20	2.08
On-Road Vehicles – On-Site	0.69	3.57	2.81	0.00	1.86	0.47
Logging/ Chipping – Off-Road Equipment	0.58	27.89	3.15	0.02	3.60	1.19
Logging/ Chipping – On-Road Vehicles - Off-Site	0.03	0.32	0.21	0.00	0.13	0.03
Logging/ Chipping – On-Road Vehicles - On-Site	0.65	6.67	25.51	0.05	0.06	0.06
Emergency Generator Testing ^b	0.94	18.73	48.70	0.26	0.19	0.19

²⁰ Tier 4 standards for engine hp between 11 hp and 75 hp were available starting in 2008. For engines with hp between 75 and 175, Tier 4 engines were available starting in 2012. For engine hp between 175 and greater than 1,200, Tier 4 engines were available starting in 2011. As such, equipment engines that meet Tier 4 emission standards are currently available at the time of this analysis, and would continue to be available during the project's construction and operational years (starting in 2021) (EPA 2016).

Table 16. Maximum Daily Project Emissions – Mitigated

	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Source	<i>Pounds per Day</i>					
Underground Blasting/Mining ^f	0.00	15.85	62.40	1.86	1.61	0.53
Ore Processing	—	—	—	—	0.29	0.21
Reagent Off-Gassing	0.00	—	—	—	—	—
Diesel Fuel Tanks – Breathing/Working	0.12	—	—	—	—	—
Fugitive Dust – Unpaved Roads/ Disturbed Areas/ Material Handling/ Wind Erosion ^c	—	—	—	—	39.05	5.82
Architectural Coatings	0.26	—	—	—	—	—
Consumer Products	2.65	—	—	—	—	—
Maximum Total Daily Emissions	9.07	107.49	157.41	2.27	54.40	10.97
<i>NSAQMD Significance Threshold Level^d</i>	<i>Level A (<24)</i>	<i>Level B (24-136)</i>	<i>N/A</i>	<i>N/A</i>	<i>Level A (<79)</i>	<i>N/A</i>
Significant (Yes/No or Potentially)? ^e	No	No	No	No	No	No
<i>Year 2027 to 2032 – Mining, Brunswick Industrial Site Operations, Fill Placement at Brunswick Industrial Site</i>						
Off-Road Equipment ^a	0.65	6.67	25.51	0.05	0.06	0.06
On-Road Vehicles – Off-Site	0.67	13.15	2.29	0.09	6.19	1.76
On-Road Vehicles – On-Site	0.60	4.77	3.70	0.01	2.75	0.69
Logging/ Chipping – Off-Road Equipment	1.88	12.80	10.41	0.04	0.41	0.40
Logging/ Chipping – On-Road Vehicles - Off-Site	0.58	27.89	3.15	0.02	3.60	1.19
Logging/ Chipping – On-Road Vehicles - On-Site	0.03	0.32	0.21	0.00	0.13	0.03
Emergency Generator Testing ^b	0.94	18.73	48.70	0.26	0.19	0.19
Underground Blasting/Mining ^f	0.00	15.85	62.40	1.86	1.61	0.53
Ore Processing	—	—	—	—	0.29	0.21
Reagent Off-Gassing	0.00	—	—	—	—	—
Diesel Fuel Tanks – Breathing/Working	0.12	—	—	—	—	—
Fugitive Dust – Unpaved Roads/ Disturbed Areas/ Material Handling/ Wind Erosion ^c	—	—	—	—	39.05	5.82
Architectural Coatings	0.26	—	—	—	—	—
Consumer Products	2.65	—	—	—	—	—

Table 16. Maximum Daily Project Emissions – Mitigated

Source	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
	<i>Pounds per Day</i>					
Maximum Total Daily Emissions	8.38	100.20	156.37	2.31	54.28	10.86
<i>NSAQMD Significance Threshold Level^d</i>	<i>Level A (<24)</i>	<i>Level B (24-136)</i>	<i>N/A</i>	<i>N/A</i>	<i>Level A (<79)</i>	<i>N/A</i>
Significant (Yes/No or Potentially)? ^e	No	No	No	No	No	No
<i>Year 2033 to 2102 – Mining, Brunswick Industrial Site Operations, Fill Placement at Off-Site Location</i>						
Off-Road Equipment ^a	0.37	5.28	15.39	0.03	0.03	0.03
On-Road Vehicles – Off-Site	1.13	74.82	8.88	0.35	17.31	5.24
On-Road Vehicles – On-Site	0.40	2.99	2.48	0.01	2.64	0.66
Emergency Generator Testing ^b	0.94	18.73	48.70	0.26	0.19	0.19
Underground Blasting/Mining ^f	0.00	15.85	62.40	1.86	1.61	0.53
Ore Processing	—	—	—	—	0.29	0.21
Reagent Off-Gassing	0.00	—	—	—	—	—
Diesel Fuel Tanks – Breathing/Working	0.12	—	—	—	—	—
Architectural Coatings	0.26	—	—	—	—	—
Consumer Products	2.65	—	—	—	—	—
Maximum Total Daily Emissions	5.87	117.68	137.86	2.50	22.07	6.85
<i>NSAQMD Significance Threshold Level^d</i>	<i>Level A (<24)</i>	<i>Level B (24-136)</i>	<i>N/A</i>	<i>N/A</i>	<i>Level A (<79)</i>	<i>N/A</i>
Significant (Yes/No or Potentially)? ^e	No	No	No	No	No	No
<i>Year 2103 – Reclamation</i>						
Off-Road Equipment ^a	0.08	0.32	3.91	0.01	0.01	0.01
On-Road Vehicles – Off-Site	0.19	0.36	0.90	0.01	0.30	0.09
Diesel Fuel Tanks – Breathing/Working	0.12	—	—	—	—	—
Maximum Total Daily Emissions	0.39	0.68	4.81	0.01	0.31	0.10
<i>NSAQMD Significance Threshold Level^d</i>	<i>Level A (<24)</i>	<i>Level A (<24)</i>	<i>N/A</i>	<i>N/A</i>	<i>Level A (<79)</i>	<i>N/A</i>
Significant (Yes/No or Potentially)? ^e	No	No	No	No	No	No

Source: Appendix A

Notes: ROG = reactive organic gases; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = particulate matter with an aerodynamic diameter equal to or less than 10 microns; PM_{2.5} = particulate matter with an aerodynamic diameter equal to or less than 2.5 microns; NA = not applicable; NSAQMD = Northern Sierra Air Quality Management District.

Totals may not sum due to rounding.

- ^a Accounts for APM-AQ-1 (Exhaust Emission Controls), including Tier 4 Final equipment owned by Rise Grass Valley Inc.. Additionally, emissions estimates incorporate MM-AQ-2 (Control Measures for Construction Exhaust-Related Emissions), which requires all construction contractor equipment with engines 50 hp or greater to be Tier 4.
- ^b For maximum daily emissions, all diesel generators (2 during construction and 4 during operations) were conservatively assumed to operate for 2 hours on the same day, 1 time per month.
- ^c For APM-AQ-2 (Surface Fugitive Dust Controls), a control efficiency of 55% was included when calculating the emissions of PM₁₀ and PM_{2.5} for vehicle traffic on unpaved roads during operation and a control efficiency of 80% was assumed for chemical stabilization on unpaved roads during construction. A moisture content of 13% was assumed when calculating emissions of PM₁₀ and PM_{2.5} during fill spreading and compaction to account for fugitive dust control.
- ^d The NSAQMD Threshold Levels are shown in Table 3.
- ^e Significance is based on Table 3 thresholds. For Level A or B criteria, emissions are considered potentially significant and trigger mitigation. If the emissions exceed the Level C threshold, they are considered significant and require greater mitigation. After incorporation of feasible mitigation, emissions at Level A or B would be less than significant, and emissions at Level C (i.e., >136 pounds per day) would be significant and unavoidable.
- ^f Includes emissions from rock blasting, combustion of ANFO, and detonators for blasting.

Per the NSAQMD, implementation of recommended mitigation measures for Level A and B thresholds would reduce project impacts from potentially significant to less than significant. Thus, as shown in Table 16, ROG, NO_x, and PM₁₀ would be at either Level A or B and would be less than significant during all years of project construction and operation after mitigation. Because construction and operation of the project would not exceed the NSAQMD significance thresholds for ROG, NO_x, or PM₁₀, and because the NSAQMD thresholds are based on levels that the MCAB can accommodate without affecting the attainment date for the AAQS (the AAQS are established to protect public health and welfare), it is anticipated that the project would result in less-than-significant health effects associated with ROG, NO_x, and PM₁₀.

2.5.3 Threshold AQ-3

Would the project expose sensitive receptors to substantial pollutant concentrations?

Health Impacts of Toxic Air Contaminants

Project construction and operation activities would produce DPM emissions (with PM₁₀ exhaust modeled as surrogate) due to equipment, such as loaders and backhoes, and haul truck trips, and TAC emissions from mining and soil movement. The TAC emissions associated with blasting and crushing, ore processing, and earthwork and material handling would include asbestos, silica, and trace heavy metal TACs including arsenic, beryllium, cadmium, copper, lead, manganese, mercury, nickel, selenium, and vanadium. Other emissions of TACs from blasting pertain to the combustion of ANFO. In addition, for purposes of the HRA, diesel emergency generators were assumed to operate for up to 100 hours per year in accordance with CARB's Airborne Toxics Control Measure for Stationary Compression Ignition Engines. These emissions could result in elevated concentrations of TAC emissions at nearby receptors, which could lead to an increase in the risk of cancer or other health impacts. Consequently, as discussed in Section 2.4.2.4, Health Risk Assessment, an HRA was performed to determine the extent of increased cancer risks and hazard indices at the maximally exposed receptors. The detailed HRA is included as Appendix B, with results summarized below.

The maximally exposed receptor was estimated to be the nearest existing residence, which is north of the Brunswick Industrial Site. Potential health risks at the maximally exposed individual residence resulting from construction and operational activities of the project are shown in Table 17.

Table 17. Project Construction and Operational Health Risk Results

Receptor	Cancer Risk (persons per million) ^a	Chronic Impact	Acute Impact
Unmitigated Project			
Maximally Exposed Individual Resident ^b	10.4	0.6	0.004
NSAQMD Significance Criteria	10	1.0	1.0
Exceed Threshold?	No	No	No
Mitigated Project^c			
Maximally Exposed Individual Resident ^b	7.6	0.6	0.004
NSAQMD Significance Criteria	10	1.0	1.0
Exceed Threshold?	No	No	No

Source: Appendix B

Notes: NSAQMD = Northern Sierra Air Quality Management District; OEHHA = Office of Environmental Health Hazard Assessment
 TAC exposure at receptors modeled with AERMOD, which were then input into HARP2 to generate health risk estimates. Exposure was assumed to begin in the 3rd trimester of pregnancy for a duration of 30 years, per the OEHHA 2015 Risk Assessment Guidelines Manual.

- ^a Accounts for APM-AQ-3 (ASUR Plan), which incorporates measures designed to minimize asbestos in the engineered fill produced by the project, as well as any potential asbestos fibers generated from underground mining exhausting to the surface.
- ^b The maximally exposed individual resident for annual cancer and chronic health risk impacts is located north of the project site at UTM coordinates 671091.4 meter Easting (m E)/4342277.23 meters Northing (m N).
- ^c Mitigated risk values incorporate MM-AQ-2 (Control Measures for Construction Exhaust-Related Emissions), which requires all construction contractor equipment with engines 50 hp or greater to be Tier 4.

As shown in Table 17, the incremental cancer risk at the maximally exposed individual resident of 10.4 in 1 million (assuming exposure starts in 3rd trimester) from project construction and operation would exceed the NSAQMD threshold of 10 in 1 million. However, with incorporation of higher-tier engines during construction, as included in MM-AQ-2, the project would result in an incremental cancer risk of 7.6 in 1 million. The unmitigated and mitigated chronic hazard index would be 0.6 and 0.6 at the maximally exposed individual resident, respectively, which would be below the NSAQMD threshold of 1.0. The unmitigated and mitigated acute hazard index would be 0.004 and 0.004 at the maximally exposed individual resident, respectively, which would be below the NSAQMD threshold of 1.0. Project health risk impacts associated with construction and operation would, thus, be less than significant with mitigation.

Local Carbon Monoxide Concentrations

Mobile source impacts occur on two scales of motion. Regionally, project-related travel would add to regional trip generation and increase VMT within the local airshed and the MCAB. Locally, project-generated traffic would be added to the County's roadway system near the project site. If such traffic occurs during periods of poor atmospheric ventilation, is composed of a large number of vehicles "cold-started" and operating at pollution-inefficient speeds, and is operating on roadways already crowded with non-project traffic, there is a potential for the formation of microscale CO hotspots in the area immediately around points of congested traffic. However, because of continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the MCAB is steadily decreasing.

The NSAQMD thresholds of significance for local CO emissions are the 1-hour and 8-hour CAAQS of 20 ppm and 9 ppm, respectively. By definition, these represent levels that are protective of public health. As noted previously,

Nevada County is currently designated attainment for both state and national CO ambient air quality standards, and the County typically experiences low background CO concentrations.

Projects contributing to adverse traffic impacts may result in the formation of CO hotspots. To verify that the project would not cause or contribute to a violation of the CO standard, a screening evaluation of the potential for CO hotspots was conducted. A traffic impact analysis (KD Anderson & Associates, Inc. 2020) evaluated the level of service (LOS) (i.e., increased congestion) impacts at intersections affected by the project. The potential for CO hotspots was evaluated based on the results of the traffic report. The NSAQMD indicates that if a traffic study is performed for a project, it should identify any intersection(s) that would fall at Level of Service D or higher under the project alone or cumulative development scenarios, and a CO analysis should be prepared using the California Department of Transportation (Caltrans) and University of California, Davis, Institute of Transportation Studies CO Protocol (Caltrans 1997) or California LINE Source Dispersion Model (CALINE4) (Caltrans 1998a), as appropriate (NSAQMD 2021). Pursuant to NSAQMD guidance, the CALINE4 model was used to assess potential CO hotspots.

The project's traffic analysis evaluated 23 intersections and 11 roadway segments based on existing traffic volumes and current street geometry. As shown in Appendix D, three of the study intersections operate at LOS D or worse in the Near-Term Existing Plus Project scenario:

1. Brunswick Road/Idaho Maryland Road (LOS F in PM)
2. Brunswick Road/State Route 174 (LOS E in PM)
3. Idaho Maryland Road/Centennial Drive (LOS F in PM)

The remaining intersections operate at an acceptable LOS during the AM and PM peak hours in the scenarios evaluated.

As shown in Appendix D, one of the study intersections operate at an LOS D or worse in the Year 2035 Plus Project scenario:

1. Sutton Way/Dorsey Drive (LOS F in PM)

The remaining intersections operate at an acceptable LOS during the AM and PM peak hours in the cumulative scenarios evaluated.

For each scenario (Near-Term Existing Plus Project conditions and Year 2035 Plus Project), the screening evaluation presents LOS and whether a quantitative CO hotspots analysis may be required. According to the CO Protocol, there is a cap on the number of intersections that need to be analyzed for any one project. For a single project with multiple intersections, only the three intersections representing the worst LOS ratings of the project, and, to the extent they are different intersections, the three intersections representing the highest traffic volumes, need be analyzed. For each intersection failing a screening test as described in this protocol, an additional intersection should be analyzed (Caltrans 1997). The potential impact of the project on local CO levels was assessed at these intersections with the Caltrans CL4 interface based on CALINE4, which allows microscale CO concentrations to be estimated along each roadway corridor or near intersections (Caltrans 1998a).

The emissions factor represents the weighted average emissions rate of the local County vehicle fleet expressed in grams per mile per vehicle. Emissions factors for the Near-Term Existing Plus Project conditions and Year 2035 Plus Project were predicted by EMFAC2017 based on a 5-mile-per-hour average speed for all of

the intersections for approach and departure segments. The hourly traffic volume anticipated to travel on each link, in units of vehicles per hour, was based on information provided by the traffic consultant. Modeling assumptions are outlined in Appendix D.

Consistent with the CO Protocol, four receptor locations at each intersection were modeled to determine CO ambient concentrations. A receptor was assumed on the sidewalk at each corner of the modeled intersections, for a total of four receptors adjacent to the intersection, to represent the future possibility of extended outdoor exposure. CO concentrations were modeled at these locations to assess the maximum potential CO exposure that could occur. A receptor height of 5.9 feet (1.8 meters) was used in accordance with Caltrans recommendations for all receptor locations (Caltrans 1998b).

As depicted in Table 2, the maximum CO concentration measured at the nearest monitoring station over the last 3 years was 8.8 ppm, which was measured in 2018. This maximum 1-hour concentration value is used as the background concentration when evaluating the addition of the vehicle-generated CO emissions. To estimate an 8-hour average CO concentration, a persistence factor of 0.6, as calculated based on Caltrans guidance (Caltrans 1997), was applied to the output values of predicted concentrations in ppm at each of the receptor locations.

The results of the CALINE4 modeling are shown in Table 18. Model input and output data are provided in Appendix D.

Table 18. CALINE4 Predicted Carbon Monoxide Concentrations

Intersection	Maximum Modeled Impact (ppm)	
	1-Hour	8-Hour ^a
<i>Near-Term Existing Plus Project</i>		
Brunswick Rd/Idaho Maryland Rd (LOS F in PM)	9.3	5.58
Brunswick Rd/SR 174 (LOS E PM)	9.1	5.46
Idaho Maryland Rd/Centennial Dr (LOS F in PM)	9.2	5.52
<i>Year 2035 Plus Project</i>		
Sutton Way/Dorsey Dr (LOS F in PM)	9.0	5.40

Source: Caltrans 1997 (CALINE4).

Notes: ppm = parts per million

See Appendix D for model input and output data.

^a 8-hour concentrations were obtained by multiplying the 1-hour concentration by a persistence factor of 0.6 (Caltrans 1997).

As shown in Table 18, the maximum CO concentration predicted for the 1-hour averaging period at the studied intersections would be 9.3 ppm, which is below the 1-hour CO CAAQS of 20 ppm. The maximum predicted 8-hour CO concentration of 5.58 ppm at the studied intersections would be below the 8-hour CO CAAQS of 9 ppm. Neither the 1-hour CAAQS nor the 8-hour CAAQS would be equaled or exceeded at any of the intersections studied. Therefore, the project would not cause a CO hotspot and impacts would be less than significant.

Asbestos

In regards to potential asbestos emissions, Rise Grass Valley Inc. will be required to comply with applicable regulations, including those established by the MSHA and CARB, that limit potential exposure. Further, as described in APM-AQ-3, the project would implement an ASUR Plan that has been designed to minimize asbestos in the engineered fill produced by the project, as well as asbestos fibers generated from underground mining exhausting

to the surface. Finally, pursuant to the CARB ATCM for Construction, Grading, Quarrying and Surface Mining Operations, an Asbestos Dust Mitigation Plan (ADMP) is required to be submitted to the NSAQMD for any project with greater than one acre of surface disturbance if any portion of the area to be disturbed is mapped as having serpentine or ultramafic rock or if any portion of the area to be disturbed has naturally-occurring asbestos, serpentine or ultramafic rock as determined by the owner/operator or the Air Pollution Control Officer. Because asbestos was found to be present in some of the underground mining material samples that Rise Grass Valley Inc. sent for laboratory analysis,²¹ an ADMP is required to be implemented to reduce potential asbestos exposure and protect public health.

Mitigation Measures

Implement **MM-AQ-2** (Construction Exhaust Emissions Minimization Plan) in order to reduce DPM.

Level of Significance After Mitigation

With incorporation of higher-tier engines during construction, as included in MM-AQ-2, the project would result in an incremental cancer risk of 7.6 in 1 million. Although not considered mitigation, implementation of the ASUR Plan and ADMP would minimize any potential asbestos in dust. Overall, the project would not expose sensitive receptors to substantial pollutant concentrations and this impact would be less than significant.

2.5.4 Threshold AQ-4

Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Construction and operation of the project would result in various emissions; however, criteria air pollutants, fugitive dust, and toxic air contaminants are addressed under Thresholds AQ-2 and AQ-3 (Sections 2.5.2 and 2.5.3, respectively). As such, the Threshold AQ-4 analysis is focused on the potential for the project to result in odor impacts. The occurrence and severity of potential odor impacts depends on numerous factors. The nature, frequency, and intensity of the source; the wind speeds and direction; and the sensitivity of receiving location each contribute to the intensity of the impact. Although offensive odors seldom cause physical harm, they can be annoying and cause distress among the public and generate citizen complaints.

Odors would be potentially generated from vehicles and equipment exhaust emissions during construction of the project. Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment, architectural coatings, and asphalt pavement application. Some of these activities would continue with project operations. However, such odors would disperse rapidly from the project site and generally occur at magnitudes that would not affect substantial numbers of people.

Land uses and industrial operations that typically are associated with odor complaints include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting, refineries, landfills, solid waste transfer stations, rendering plants, dairies, and fiberglass molding. The project does not propose the aforementioned odor-generating land uses.

²¹ Samples containing naturally-occurring asbestos were from underground rock only; naturally-occurring asbestos is not known to outcrop at the surface of the Brunswick Site or Centennial Site.

Mine Water Treatment

Groundwater pumped from the underground mine would go through a water treatment process before being discharged. Notably, to determine the potential for nuisance odor generation from this project activity, two similar existing treatment systems in Nevada County, at the Empire Mine and the North Star Mine, were examined. Nevada County evaluated the North Star treatment system in 2015 before approval of the Mitigated Negative Declaration for that project (Nevada County 2015). Additionally, Nevada County planning staff assessed the Empire Mine site for odors, and none were discerned. Odors likely do not occur because the water is moving and not stagnant and does not contain biological contaminants. The mineral contaminants of manganese, iron, and arsenic and their oxidized forms do not emit an odor (Nevada County 2015). Notably, the Empire Mine and North Star treatment plants are passive systems, whereas the proposed project includes an active treatment method. Therefore, the proposed chemicals to be used in water treatment were evaluated from their respective material safety data sheets for their potential to create odors with only Sodium Hypochlorite reported to have an odor (chlorine odor). Sodium Hypochlorite is added at the water treatment plant and therefore the potential odor source is located inside the water treatment plant building. The water treatment process includes the use of Granulated Activated Carbon filters which act as an absorbent and serve to remove potential odors from the treated water. Finally, ammonia, derived from explosive residues, could be present in the mine water pumped from the mine but would be in negligible quantities and any potential odors would disperse rapidly from the project site and generally occur at magnitudes that would not affect substantial numbers of people. Based on the preceding considerations, mine water treatment associated with the proposed project would result in a less-than-significant odor impact.

Ore Processing

The mineral process plant uses reagents for the flotation of sulfide minerals. The proposed chemicals to be used in flotation were evaluated from their respective material safety data sheets for their potential to create odors. The frother reagent (MIBC) is reported to have a mild alcohol odor, one of the promoter reagents (AEROFLOAT) has a mild alcohol and sulfur odor, and the other promoter reagent (AEROPHINE) has no odor. These flotation reagents are added during mineral processing, and therefore, the potential odor source is located inside the process plant building. The ore process building would be serviced by a centralized heating, ventilation, and air conditioning system and as far as practically possible, emissions from all processing activities at the site will be adequately contained therein. Practical experience dictates that odors emanating from mineral processing are extremely unlikely and mitigation methods at other sites have not been previously needed. Any potential mild odor from the use of MIBC and AEROFLOAT would disperse rapidly from the project site and generally occur at magnitudes that would not affect substantial numbers of people. Based on the preceding considerations, mineral processing associated with the proposed project would result in a less-than-significant odor impact.

Mitigation Measures

None Required.

Level of Significance After Mitigation

Potential odor impacts would be less than significant without mitigation.

2.6 Emergency Generator Use During Public Safety Power Shutoffs

In addition to the typical normal day construction and operational activities of the project, there is the potential that emergency diesel generators would be required to operate during PG&E outages based on recent Public Safety Power Shutoffs during high winds. These generators would be permitted by the NSAQMD for emergency use and are critical to the continuing operation of the facility and the safety of the workers during emergency situations, based on the following considerations:

- Ground water continually flows into the underground mine. If it is not pumped out, it would very quickly flood the lowest tunnels. This would destroy electrical equipment that was left in place and cause a lot of work when the workings would be again dewatered.
- The ventilation system must be continuously on in order to provide airflow through the underground workings. This is necessary to provide a safe environment underground.
- The compressed air system for the underground mine is important for emergency situations where the ventilation system could fail or a fire occur underground and therefore must be kept operational.
- Electric locomotives are needed to remain functional at all times to move persons and equipment from working headings to the shafts.
- Underground lighting at certain key locations is necessary for safety.
- The hoists must be available for use to move personnel and equipment from the underground to surface. If the hoists did not function the workers would be trapped underground.
- The processing plant recirculates water and ground minerals through its systems. This slurry must be constantly agitated so that the solids do not settle. If these machines are turned off during operations, the sand would settle in all of the tanks and pipes which is very costly and time consuming to remediate.
- The water treatment system must remain functional so that water can be treated and discharged. There is limited freeboard in the water treatment pond to accommodate long-term shutdown of the water treatment plant.

Public Safety Power Shutoffs are infrequent (as an example, 9 days of power outages would be a conservative representation based on the Public Safety Power Shutoffs in recent years) and emergency generator use may not be needed at all during construction and/or years of operations. However, for disclosure, maximum daily emissions were estimated for 2,655 hp emergency generator usage during construction (two generators) and operations (four generators), assuming all emergency generators would operate for 24 hours per day. Emissions for the generators were estimated based on the exhaust emission data sheets for the representative Cummins model QSK60-G17,

which are Tier 4 Final engines. Since the use of emergency generators is speculative and beyond the reasonable control of Rise Grass Valley, Inc., the emissions presented in Table 19 are for informational purposes only.^{22,23}

Table 19. Emergency Generator Emissions During 24-Hour Power Outage

	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Source	<i>Pounds per Day</i>					
<i>Construction</i>						
Two Emergency Generators	3.60	71.92	187.00	0.99	0.72	0.71
<i>Operations</i>						
Four Emergency Generators	8.99	179.81	467.50	2.47	1.80	1.78

Source: Appendix A

Notes: ROG = reactive organic gases; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = particulate matter with an aerodynamic diameter equal to or less than 10 microns; PM_{2.5} = particulate matter with an aerodynamic diameter equal to or less than 2.5 microns.

²² The CEQA Guidelines state that if a particular impact is too speculative for evaluation, the agency should note its conclusion and terminate discussion of the impact (14 CCR 15145). California courts have consistently held that “an EIR is not required to engage in speculation in order to analyze a worst case scenario.” (See Napa Citizens for Honest Government v. Napa County Bd. of Supervisors (2001) 91 Cal.App.4th 342, 373.). This discussion is nonetheless provided in an effort to show good-faith analysis and comply with CEQA’s information disclosure requirements.

²³ “The Stationary Engine ATCM allows owners and operators of emergency standby engines to use those engines to provide electrical power when a facility experiences the loss of normal electrical service that is beyond the reasonable control of the facility. Electrical service loss resulting from Public Safety Power Shutoff events is beyond the reasonable control of most back-up engine owners and operators, and therefore, appropriately- permitted emergency standby engines may be operated to provide electrical power during such an event pursuant to the Stationary Engine ATCM” (CARB 2019i).

3 Greenhouse Gas Emissions

3.1 Environmental Setting

3.1.1 Climate Change Overview

Climate change refers to any significant change in measures of climate, such as temperature, precipitation, or wind patterns, lasting for an extended period (decades or longer). The Earth's temperature depends on the balance between energy entering and leaving the planet's system. Many factors, both natural and human, can cause changes in Earth's energy balance, including variations in the Sun's energy reaching Earth, changes in the reflectivity of Earth's atmosphere and surface, and changes in the greenhouse effect, which affects the amount of heat retained by Earth's atmosphere (EPA 2017).

The greenhouse effect is the trapping and build-up of heat in the atmosphere (troposphere) near the Earth's surface. The greenhouse effect traps heat in the troposphere through a threefold process: Short-wave radiation emitted by the Sun is absorbed by the Earth, the Earth emits a portion of this energy in the form of long-wave radiation, and GHGs in the upper atmosphere absorb this long-wave radiation and emit it into space and toward the Earth. The greenhouse effect is a natural process that contributes to regulating the Earth's temperature and creates a pleasant, livable environment on Earth. Human activities that emit additional GHGs to the atmosphere increase the amount of infrared radiation that gets absorbed before escaping into space, thus enhancing the greenhouse effect and causing the Earth's surface temperature to rise.

The scientific record of Earth's climate shows that the climate system varies naturally over a wide range of time scales, and that, in general, climate changes prior to the Industrial Revolution in the 1700s can be explained by natural causes, such as changes in solar energy, volcanic eruptions, and natural changes in GHG concentrations. Recent climate changes, in particular the warming observed over the past century, however, cannot be explained by natural causes alone. Rather, it is extremely likely that human activities have been the dominant cause of that warming since the mid-twentieth century, and is the most significant driver of observed climate change (EPA 2017; IPCC 2013). Human influence on the climate system is evident from the increasing GHG concentrations in the atmosphere, positive radiative forcing, observed warming, and improved understanding of the climate system (IPCC 2013). The atmospheric concentrations of GHGs have increased to levels unprecedented in the last 800,000 years, primarily from fossil fuel emissions, and secondarily from emissions associated with land use changes (IPCC 2013). Continued emissions of GHGs will cause further warming and changes in all components of the climate system, which is discussed further in Section 3.3.2, Potential Effects of Climate Change.

3.1.2 Greenhouse Gases

A GHG is any gas that absorbs infrared radiation in the atmosphere; in other words, GHGs trap heat in the atmosphere. As defined in California Health and Safety Code Section 38505(g), for purposes of administering many of the state's primary GHG emissions reduction programs, GHGs include carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF₆), and nitrogen trifluoride (NF₃) (see also 14 CCR 15364.5).²⁴ Some GHGs, such as CO₂, CH₄, and N₂O, are emitted into the atmosphere through natural processes

²⁴ Climate-forcing substances include GHGs and other substances, such as black carbon and aerosols. This discussion focuses on the seven GHGs identified in California Health and Safety Code Section 38505.

and human activities. Of these gases, CO₂ and CH₄ are emitted in the greatest quantities from human activities. Manufactured GHGs have a much greater heat-absorption potential than CO₂ and include fluorinated gases, such as HFCs, PFCs, and SF₆, which are associated with certain industrial products and processes. The following paragraphs provide a summary of the most common GHGs and their sources.²⁵

Carbon Dioxide. CO₂ is a naturally occurring gas and a by-product of human activities; it is the principal anthropogenic GHG that affects the Earth's radiative balance. Natural sources of CO₂ include respiration of bacteria, plants, animals, and fungi; evaporation from oceans; volcanic out-gassing; and decomposition of dead organic matter. Human activities that generate CO₂ are the combustion of fuels such as coal, oil, natural gas, and wood, and changes in land use.

Methane. CH₄ is produced through both natural and human activities. CH₄ is a flammable gas and is the main component of natural gas. Methane is produced through anaerobic (without oxygen) decomposition of waste in landfills, flooded rice fields, animal digestion, decomposition of animal wastes, production and distribution of natural gas and petroleum, coal production, and incomplete fossil fuel combustion.

Nitrous Oxide. N₂O is produced through natural and human activities, mainly through agricultural activities and natural biological processes, although fuel burning and other processes also create N₂O. Sources of N₂O include soil cultivation practices (microbial processes in soil and water), especially the use of commercial and organic fertilizers, manure management, industrial processes (such as in nitric acid production, nylon production, and fossil-fuel-fired power plants), vehicle emissions, and using N₂O as a propellant (such as in rockets, racecars, and aerosol sprays).

Fluorinated Gases. Fluorinated gases (also referred to as F-gases) are synthetic powerful GHGs emitted from many industrial processes. Fluorinated gases are commonly used as substitutes for stratospheric O₃-depleting substances (e.g., CFCs, HCFCs, and halons). The most prevalent fluorinated gases include the following:

- **Hydrofluorocarbons:** HFCs are compounds containing only hydrogen, fluorine, and carbon atoms. HFCs are synthetic chemicals used as alternatives to O₃-depleting substances in serving many industrial, commercial, and personal needs. HFCs are emitted as by-products of industrial processes and are used in manufacturing.
- **Perfluorocarbons:** PFCs are a group of human-made chemicals composed of carbon and fluorine only. These chemicals were introduced as alternatives, with HFCs, to the O₃-depleting substances. The two main sources of PFCs are aluminum production and semiconductor manufacturing. Since PFCs have stable molecular structures and do not break down through the chemical processes in the lower atmosphere, these chemicals have long lifetimes, ranging between 10,000 and 50,000 years.
- **Sulfur Hexafluoride:** SF₆ is a colorless gas soluble in alcohol and ether and slightly soluble in water. SF₆ is used for insulation in electric power transmission and distribution equipment, semiconductor manufacturing, the magnesium industry, and as a tracer gas for leak detection.
- **Nitrogen Trifluoride:** NF₃ is used in the manufacture of a variety of electronics, including semiconductors and flat panel displays.

²⁵ The descriptions of GHGs are summarized from the IPCC Fourth Assessment Report (2007), CARB's "Glossary of Terms Used in GHG Inventories" (2018), and EPA's "Climate Change" (2017).

Chlorofluorocarbons (CFCs). CFCs are synthetic chemicals that have been used as cleaning solvents, refrigerants, and aerosol propellants. CFCs are chemically unreactive in the lower atmosphere (troposphere), and the production of CFCs was prohibited in 1987 due to the chemical destruction of stratospheric O₃.

Hydrochlorofluorocarbons (HCFCs). HCFCs are a large group of compounds, whose structure is very close to that of CFCs—containing hydrogen, fluorine, chlorine, and carbon atoms—but including one or more hydrogen atoms. Like HFCs, HCFCs are used in refrigerants and propellants. HCFCs were also used in place of CFCs for some applications; however, their use in general is being phased out.

Black Carbon. Black carbon is a component of PM_{2.5}, which has been identified as a leading environmental risk factor for premature death. It is produced from the incomplete combustion of fossil fuels and biomass burning, particularly from older diesel engines and forest fires. Black carbon warms the atmosphere by absorbing solar radiation, influencing cloud formation, and darkening the surface of snow and ice, which accelerates heat absorption and melting. Black carbon is a short-lived substance that varies spatially, which makes it difficult to quantify its global warming potential (GWP). Diesel exhaust emissions are a major source of black carbon, and are TACs that have been regulated and controlled in California for several decades to protect public health. In relation to declining DPM as a result of CARB's regulations pertaining to diesel engines, diesel fuels, and burning activities, CARB estimates that annual black carbon emissions in California have been reduced by 70% between 1990 and 2010, with 95% control expected by 2020 (CARB 2014).

Water Vapor. The primary source of water vapor is evaporation from the ocean, with additional vapor generated by sublimation (change from solid to gas) from ice and snow, evaporation from other water bodies, and transpiration from plant leaves. Water vapor is the most important, abundant, and variable GHG in the atmosphere, and maintains a climate necessary for life.

Ozone. Tropospheric O₃, which is created by photochemical reactions involving gases from both natural sources and human activities acts as a GHG. Stratospheric O₃, which is created by the interaction between solar ultraviolet radiation and molecular oxygen, plays a decisive role in the stratospheric radiative balance. Depletion of stratospheric O₃ due to chemical reactions that may be enhanced by climate change results in an increased ground-level flux of ultraviolet-B radiation.

Aerosols. Aerosols are suspensions of particulate matter in a gas emitted into the air through burning biomass (plant material) and fossil fuels. Aerosols can warm the atmosphere by absorbing and emitting heat, and can cool the atmosphere by reflecting light.

3.1.3 Global Warming Potential

Gases in the atmosphere can contribute to climate change both directly and indirectly. Direct effects occur when the gas itself absorbs radiation. Indirect radiative forcing occurs when chemical transformations of the substance produce other GHGs, when a gas influences the atmospheric lifetimes of other gases, and/or when a gas affects atmospheric processes that alter the radiative balance of the Earth (e.g., affect cloud formation or albedo) (EPA 2017). The Intergovernmental Panel on Climate Change developed the GWP concept to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP of a GHG is defined as the ratio of the time-integrated radiative forcing from the instantaneous release of 1 kilogram of a trace substance relative to that of 1 kilogram of a reference gas (IPCC 2014). The reference gas used is CO₂; therefore, GWP-weighted emissions are measured in metric tons (MT) of CO₂ equivalent (CO₂e).

The current version of CalEEMod (Version 2020.4.0) assumes that the GWP for CH₄ is 25 (so emissions of 1 MT of CH₄ are equivalent to emissions of 25 MT of CO₂), and the GWP for N₂O is 298, based on the Intergovernmental Panel on Climate Change's Fourth Assessment Report (IPCC 2007). The GWP values identified in CalEEMod were applied to the project.

3.2 Regulatory Setting

3.2.1 Federal Regulations

Massachusetts v. EPA. In *Massachusetts v. EPA* (April 2007), the U.S. Supreme Court directed the EPA administrator to determine whether GHG emissions from new motor vehicles cause or contribute to air pollution that may reasonably be anticipated to endanger public health or welfare, or whether the science is too uncertain to make a reasoned decision. In December 2009, the administrator signed a final rule with the following two distinct findings regarding GHGs under Section 202(a) of the federal Clean Air Act:

- The Administrator found that elevated concentrations of GHGs—CO₂, CH₄, N₂O, HFCs, PFCs, and SF₆—in the atmosphere threaten the public health and welfare of current and future generations. This is the “endangerment finding.”
- The Administrator further found the combined emissions of GHGs—CO₂, CH₄, N₂O, and HFCs—from new motor vehicles and new motor vehicle engines contribute to the GHG air pollution that endangers public health and welfare. This is the “cause or contribute finding.”

These two findings were necessary to establish the foundation for regulation of GHGs from new motor vehicles as air pollutants under the Clean Air Act.

Energy Independence and Security Act of 2007. The Energy Independence and Security Act of 2007 (December 2007), among other key measures, would do the following, which would aid in the reduction of national GHG emissions:

- Increase the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard requiring fuel producers to use at least 36 billion gallons of biofuel by 2022.
- Set a target of 35 miles per gallon for the combined fleet of cars and light trucks by model year 2020, and directs the National Highway Traffic Safety Administration (NHTSA) to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for work trucks.
- Prescribe or revise standards affecting regional efficiency for heating and cooling products and procedures for new or amended standards, energy conservation, energy-efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances.

Federal Vehicle Standards. In 2007, in response to the *Massachusetts v. EPA* U.S. Supreme Court ruling, the Bush Administration issued Executive Order (EO) 13432 directing the EPA, the Department of Transportation, and the Department of Energy to establish regulations that reduce GHG emissions from motor vehicles, non-road vehicles, and non-road engines by 2008. In 2009, the NHTSA issued a final rule regulating fuel efficiency and GHG emissions from cars and light-duty trucks for model year 2011; and, in 2010, the EPA and NHTSA issued a final rule regulating cars and light-duty trucks for model years 2012–2016 (75 FR 25324–25728).

In 2010, President Obama issued a memorandum directing the Department of Transportation, Department of Energy, EPA, and NHTSA to establish additional standards regarding fuel efficiency and GHG reduction, clean fuels, and advanced vehicle infrastructure. In response to this directive, the EPA and NHTSA proposed stringent, coordinated federal GHG and fuel economy standards for model years 2017–2025 light-duty vehicles. The proposed standards projected to achieve 163 grams per mile of CO₂ by model year 2025 on an average industry fleet-wide basis, which is equivalent to 54.5 miles per gallon if this level were achieved solely through fuel efficiency. The final rule was adopted in 2012 for model years 2017–2021 (77 FR 62624–63200), and NHTSA intends to set standards for model years 2022–2025 in a future rulemaking.

In addition to the regulations applicable to cars and light-duty trucks described above, in 2011, the EPA and NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks for model years 2014–2018. The standards for CO₂ emissions and fuel consumption are tailored to three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. According to the EPA, this regulatory program will reduce GHG emissions and fuel consumption for the affected vehicles by 6%–23% over the 2010 baselines (76 FR 57106–57513).

In August 2016, the EPA and NHTSA announced the adoption of the phase two program related to the fuel economy and GHG standards for medium- and heavy-duty trucks. The phase two program will apply to vehicles with model years 2018 through 2027 for certain trailers, and model years 2021 through 2027 for semi-trucks, large pickup trucks, vans, and all types of sizes of buses and work trucks. The final standards are expected to lower CO₂ emissions by approximately 1.1 billion MT, and reduce oil consumption by up to 2 billion barrels over the lifetime of the vehicles sold under the program (EPA and NHTSA 2016).

In August 2018, EPA and NHTSA proposed to amend certain fuel economy and GHG standards for passenger cars and light trucks, and establish new standards for model years 2021 through 2026. Compared to maintaining the post-2020 standards now in place, the 2018 proposal would increase U.S. fuel consumption by approximately 0.5 million barrels per day (2–3% of total daily consumption, according to the Energy Information Administration), and would impact the global climate by 3/1000th of 1°C by 2100 (EPA and NHTSA 2018). California and other states have stated their intent to challenge federal actions that would delay or eliminate GHG reduction measures, and have committed to cooperating with other countries to implement global climate change initiatives.

On September 27, 2019, EPA and NHTSA published the “Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule Part One: One National Program.” (84 FR 51,310), which became effective November 26, 2019. The Part One Rule revokes California’s authority to set its own GHG emissions standards and set zero-emission-vehicle mandates in California. On March 31, 2020, the EPA and NHTSA issued the Part Two Rule, which sets CO₂ emissions standards and corporate average fuel economy standards for passenger vehicles and light-duty trucks for model years 2021 through 2026. On January 20, 2021, President Joe Biden issued an Executive Order (EO) on Protecting Public Health and the Environment and Restoring Science to Tackle the Climate Crisis, which includes review of Part One Rule by April 2021 and review of the Part Two Rule by July 2021 (The White House 2021).

3.2.2 State Regulations

The statewide GHG emissions regulatory framework is summarized below by category: state climate change targets, building energy, renewable energy and energy procurement, mobile sources, solid waste, water, and other state

regulations and goals. The following text describes executive orders, legislation, regulations, and other plans and policies that would directly or indirectly reduce GHG emissions and/or address climate change issues.

State Climate Change Targets

California has taken a number of actions to address climate change. These include executive orders, legislation, and CARB plans and requirements. These are summarized below.

EO S-3-05. EO S-3-05 (June 2005) established California's GHG emissions reduction targets and laid out responsibilities among the state agencies for implementing the EO and for reporting on progress toward the targets. This EO established the following targets:

- By 2010, reduce GHG emissions to 2000 levels
- By 2020, reduce GHG emissions to 1990 levels
- By 2050, reduce GHG emissions to 80% below 1990 levels

EO S-3-05 also directed the California EPA to report biannually on progress made toward meeting the GHG targets and the impacts to California due to global warming, including impacts to water supply, public health, agriculture, the coastline, and forestry. The Climate Action Team was formed, which subsequently issued reports from 2006 to 2010.

AB 32. In furtherance of the goals established in EO S-3-05, the Legislature enacted AB 32 (Núñez and Pavley). The bill is referred to as the California Global Warming Solutions Act of 2006 (September 27, 2006). AB 32 provided initial direction on creating a comprehensive, multiyear program to limit California's GHG emissions at 1990 levels by 2020, and initiate the transformations required to achieve the state's long-range climate objectives.

EO B-18-12. EO B-18-12 (April 2012) directed state agencies, departments, and other entities under the governor's executive authority to take action to reduce entity-wide GHG emissions by at least 10% by 2015 and 20% by 2020, as measured against a 2010 baseline. EO B-18-12 also established goals for existing state buildings for reducing grid-based energy purchases and water use.

EO B-30-15. EO B-30-15 (April 2015) identified an interim GHG reduction target in support of targets previously identified under EO S-3-05 and AB 32. EO B-30-15 set an interim target goal of reducing GHG emissions to 40% below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing GHG emissions to 80% below 1990 levels by 2050 as set forth in EO S-3-05. To facilitate achieving this goal, EO B-30-15 called for CARB to update its Climate Change Scoping Plan: A Framework for Change (Scoping Plan) to express the 2030 target in terms of million metric tons (MMT) CO₂e. The EO also called for state agencies to continue to develop and implement GHG emission reduction programs in support of the reduction targets.

Senate Bill (SB) 32 and AB 197. SB 32 and AB 197 (enacted in 2016) are companion bills. SB 32 codified the 2030 emissions reduction goal of EO B-30-15 by requiring CARB to ensure that statewide GHG emissions are reduced to 40% below 1990 levels by 2030. AB 197 established the Joint Legislative Committee on Climate Change Policies, consisting of at least three members of the Senate and three members of the Assembly, to provide ongoing oversight over implementation of the state's climate policies. AB 197 also added two members of the Legislature to the Board as nonvoting members; requires CARB to make available and update (at least annually via its website) emissions data for GHGs, criteria air pollutants, and TACs from reporting facilities; and requires CARB to identify specific information for GHG emissions reduction measures when updating the Scoping Plan.

CARB's 2007 Statewide Limit. In 2007, in accordance with California Health and Safety Code Section 38550, CARB approved a statewide limit on GHG emissions by 2020, consistent with the determined 1990 baseline (427 MMT CO₂e).

CARB's Climate Change Scoping Plan. One specific requirement of AB 32 is for CARB to prepare a "scoping plan" for achieving the maximum technologically feasible and cost-effective GHG emission reductions by 2020 (Health and Safety Code Section 38561[a]), and to update the Scoping Plan at least once every 5 years. In 2008, CARB approved the first Scoping Plan. The Climate Change Scoping Plan: A Framework for Change (Scoping Plan) included a mix of recommended strategies that combined direct regulations, market-based approaches, voluntary measures, policies, and other emission reduction programs calculated to meet the 2020 statewide GHG emission limit and initiate the transformations needed to achieve the state's long-range climate objectives. The key elements of the Scoping Plan include the following (CARB 2008):

1. Expanding and strengthening existing energy efficiency programs as well as building and appliance standards
2. Achieving a statewide renewable energy mix of 33%
3. Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system and caps sources contributing 85% of California's GHG emissions
4. Establishing targets for transportation-related GHG emissions for regions throughout California, and pursuing policies and incentives to achieve those targets
5. Adopting and implementing measures pursuant to existing state laws and policies, including California's clean car standards, goods movement measures, and the Low Carbon Fuel Standard (LCFS) (17 Cal. Code Regs., Section 95480 et seq.)
6. Creating targeted fees, including a public goods charge on water use, fees on high GWP gases, and a fee to fund the administrative costs of the State of California's long-term commitment to AB 32 implementation

The Scoping Plan also identified local governments as essential partners in achieving California's goals to reduce GHG emissions because they have broad influence and, in some cases, exclusive authority over activities that contribute to significant direct and indirect GHG emissions through their planning and permitting processes, local ordinances, outreach and education efforts, and municipal operations. Specifically, the Scoping Plan encouraged local governments to adopt a reduction goal for municipal operations and for community emissions to reduce GHGs by approximately 15% from then levels (2008) by 2020. Many local governments developed community-scale local GHG reduction plans based on this Scoping Plan recommendation.

In 2014, CARB approved the first update to the Scoping Plan. The First Update to the Climate Change Scoping Plan: Building on the Framework (First Update) defined the state's GHG emission reduction priorities for the next 5 years, and laid the groundwork to start the transition to the post-2020 goals set forth in EO S-3-05 and EO B-16-2012. The First Update concluded that California is on track to meet the 2020 target, but recommended a 2030 mid-term GHG reduction target be established to ensure a continuum of action to reduce emissions. The First Update recommended a mix of technologies in key economic sectors to reduce emissions through 2050, including energy demand reduction through efficiency and activity changes; large-scale electrification of on-road vehicles, buildings, and industrial machinery; decarbonizing electricity and fuel supplies; and the rapid market penetration of efficient and clean energy technologies. As part of the First Update, CARB recalculated the state's 1990 emissions level using more recent GWPs identified by the Intergovernmental Panel on Climate Change, from 427 MMT CO₂e to 431 MMT CO₂e.

In 2015, as directed by EO B-30-15, CARB began working on an update to the Scoping Plan to incorporate the 2030 target of 40% below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing GHG emissions to 80% below 1990 levels by 2050, as set forth in EO S-3-05. Governor Jerry Brown called on California to pursue a new and ambitious set of strategies, in line with the five climate change pillars from his inaugural address, to reduce GHG emissions and prepare for the unavoidable impacts of climate change. In summer 2016, the Legislature affirmed the importance of addressing climate change through passage of SB 32 (Pavley, Chapter 249, Statutes of 2016).

In December 2017, CARB adopted California's 2017 Climate Change Scoping Plan (2017 Scoping Plan) for public review and comment (CARB 2017b). The 2017 Scoping Plan builds on the successful framework established in the initial Scoping Plan and First Update while identifying new, technologically feasible and cost-effective strategies that will serve as the framework to achieve the 2030 GHG target as established by SB 32 and define the state's climate change priorities to 2030 and beyond. The strategies' known commitments include implementing renewable energy and energy efficiency (including the mandates of SB 350), increased stringency of the LCFS, measures identified in the Mobile Source and Freight Strategies, measures identified in the proposed Short-Lived Climate Pollutant (SLCP) Plan, and increased stringency of SB 375 targets. To fill the gap in additional reductions needed to achieve the 2030 target, it recommends continuing the Cap-and-Trade Program and a measure to reduce GHGs from refineries by 20%.

For local governments, the 2017 Scoping Plan replaced the initial Scoping Plan's 15% reduction goal with a recommendation to aim for a community-wide goal of no more than 6 MT CO₂e per capita by 2030, and no more than 2 MT CO₂e per capita by 2050, which are consistent with the state's long-term goals. These goals are also consistent with the Under 2 Memorandum of Understanding (Under 2 Coalition 2019) and the Paris Agreement (UNFCCC 2019), which were developed around the scientifically based levels necessary to limit global warming to below an increase of 2°C. The 2017 Scoping Plan recognized the benefits of local government GHG planning (e.g., through Climate Action Plans [CAPs]) and provide more information regarding tools CARB is working on to support those efforts (CARB 2017b). It also recognizes the CEQA streamlining provisions for project-level review where there is a legally adequate CAP.²⁶

When discussing project-level GHG emissions reduction actions and thresholds in the context of CEQA, the 2017 Scoping Plan states that "achieving no net additional increase in GHG emissions, resulting in no contribution to GHG impacts, is an appropriate overall objective for new development" for project-level CEQA analysis, but also recognizes that such a standard may not be appropriate or feasible for every development project. The 2017 Scoping Plan further provides that "the inability of a project to mitigate its GHG emissions to net zero does not imply the project results in a substantial contribution to the cumulatively significant environmental impact of climate change under CEQA" (CARB 2017b).

CARB's Regulations for the Mandatory Reporting of Greenhouse Gas Emissions. CARB's Regulation for the Mandatory Reporting of Greenhouse Gas Emissions (17 CCR 95100–95157) incorporated by reference certain requirements that EPA promulgated in its Final Rule on Mandatory Reporting of Greenhouse Gases (40 CFR Part 98). Specifically, Section 95100(c) of the Mandatory Reporting Regulation incorporated those requirements that EPA promulgated in the Federal Register on October 30, 2009; July 12, 2010; September 22, 2010; October 28,

²⁶ *Sierra Club v. County of Napa* (2004) 121 Cal.App.4th 1490; *San Francisco Tomorrow et al. v. City and County of San Francisco* (2015) 229 Cal.App.4th 498; *San Franciscans Upholding the Downtown Specific Plan v. City & County of San Francisco* (2002) 102 Cal.App.4th 656; *Sequoyah Hills Homeowners Assn. V. City of Oakland* (1993) 23 Cal.App.4th 704, 719.

2010; November 30, 2010; December 17, 2010; and April 25, 2011. In general, entities subject to the Mandatory Reporting Regulation that emit more than 10,000 MT CO₂e per year are required to report annual GHGs through the California Electronic GHG Reporting Tool. Certain sectors, such as refineries and cement plants, are required to report regardless of emission levels. Entities that emit more than the 25,000 MT CO₂e per year threshold are required to have their GHG emission report verified by a CARB-accredited third party.

SB 605 and SB 1383. SB 605 (2014) requires CARB to complete a comprehensive strategy to reduce emissions of SLCPs in the state, and SB 1383 (2016) requires CARB to approve and implement that strategy by January 1, 2018. SB 1383 also establishes specific targets for the reduction of SLCPs (40% below 2013 levels by 2030 for CH₄ and HFCs, and 50% below 2013 levels by 2030 for anthropogenic black carbon), and provides direction for reductions from dairy and livestock operations and landfills. Accordingly, and as mentioned above, CARB adopted its SLCP Reduction Strategy in March 2017. The SLCP Reduction Strategy establishes a framework for the statewide reduction of emissions of black carbon, CH₄, and fluorinated gases (CARB 2017c).

EO B-55-18. EO B-55-18 (September 2018) establishes a statewide policy for California to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net-negative emissions thereafter. The goal is an addition to the existing statewide targets of reducing the state's GHG emissions. CARB will work with relevant state agencies to ensure that future Scoping Plans identify and recommend measures to achieve the carbon neutrality goal.

Building Energy

Title 24, Part 6. Title 24 of the California Code of Regulations was established in 1978 and serves to enhance and regulate California's building standards. While not initially promulgated to reduce GHG emissions, Part 6 of Title 24 specifically established Building Energy Efficiency Standards that are designed to ensure new and existing buildings in California achieve energy efficiency and preserve outdoor and indoor environmental quality. These energy efficiency standards are reviewed every few years by the Building Standards Commission and the California Energy Commission (CEC) (and revised if necessary) (California Public Resources Code [PRC] Section 25402[b][1]). The regulations receive input from members of industry, as well as the public, with the goal of "reducing of wasteful, uneconomic, inefficient, or unnecessary consumption of energy" (PRC Section 25402). These regulations are carefully scrutinized and analyzed for technological and economic feasibility (PRC Section 25402[d]) and cost effectiveness (PRC Sections 25402[b][2] and [b][3]). As a result, these standards save energy, increase electricity supply reliability, increase indoor comfort, avoid the need to construct new power plants, and help preserve the environment.

The 2019 Title 24 standards are the currently applicable building energy efficiency standards, and became effective on January 1, 2020. The 2019 Title 24 Building Energy Efficiency Standards will further reduce energy used and associated GHG emissions compared to current standards. In general, single-family residences built to the 2019 standards are anticipated to use approximately 7% less energy due to energy efficiency measures than those built to the 2016 standards; once rooftop solar electricity generation is factored in, single-family residences built under the 2019 standards will use approximately 53% less energy than those under the 2016 standards (CEC 2018). Nonresidential buildings built to the 2019 standards are anticipated to use an estimated 30% less energy than those built to the 2016 standards (CEC 2018).

Title 24, Part 11. In addition to the CEC's efforts, in 2008, the California Building Standards Commission adopted the nation's first green building standards. The California Green Building Standards Code (Part 11 of Title 24) is commonly referred to as CALGreen, and establishes minimum mandatory standards and voluntary standards

pertaining to the planning and design of sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and interior air quality. The 2019 CALGreen standards are the current applicable standards. For nonresidential projects, some of the key mandatory CALGreen 2019 standards involve requirements related to bicycle parking, designated parking for clean air vehicles, electric vehicle (EV) charging stations, shade trees, water conserving plumbing fixtures and fittings, outdoor potable water use in landscaped areas, recycled water supply systems, construction waste management, excavated soil and land clearing debris, and commissioning (24 CCR Part 11).

Title 20. Title 20 of the California Code of Regulations requires manufacturers of appliances to meet state and federal standards for energy and water efficiency. The CEC certifies an appliance based on a manufacturer's demonstration that the appliance meets the standards. New appliances regulated under Title 20 include refrigerators, refrigerator-freezers, and freezers; room air conditioners and room air-conditioning heat pumps; central air conditioners; spot air conditioners; vented gas space heaters; gas pool heaters; plumbing fittings and plumbing fixtures; fluorescent lamp ballasts; lamps; emergency lighting; traffic signal modules; dishwashers; clothes washers and dryers; cooking products; electric motors; low-voltage dry-type distribution transformers; power supplies; televisions and consumer audio and video equipment; and battery charger systems. Title 20 presents protocols for testing each type of appliance covered under the regulations, and appliances must meet the standards for energy performance, energy design, water performance, and water design. Title 20 contains three types of standards for appliances: federal and state standards for federally regulated appliances, state standards for federally regulated appliances, and state standards for non-federally regulated appliances.

SB 1. SB 1 (Murray) (August 2006) established a \$3 billion rebate program to support the goal of the state to install rooftop solar energy systems with a generation capacity of 3,000 megawatts through 2016. SB 1 added sections to the California Public Resources Code, including Chapter 8.8 (California Solar Initiative), that require building projects applying for ratepayer-funded incentives for photovoltaic systems to meet minimum energy efficiency levels and performance requirements. Section 25780 established that it is a goal of the state to establish a self-sufficient solar industry. The goals included establishing solar energy systems as a viable mainstream option for homes and businesses within 10 years of adoption, and placing solar energy systems on 50% of new homes within 13 years of adoption. SB 1, also termed "Go Solar California," was previously titled "Million Solar Roofs."

AB 1470 (Solar Water Heating). AB 1470 established the Solar Water Heating and Efficiency Act of 2007. The bill makes findings and declarations of the Legislature relating to the promotion of solar water heating systems and other technologies that reduce natural gas demand. The bill defines several terms for purposes of the act. AB 1470 required the CEC to evaluate the data available from a specified pilot program, and, if it made a specified determination, to design and implement a program of incentives for the installation of 200,000 solar water heating systems in homes and businesses throughout the state by 2017.

AB 1109. Enacted in 2007, AB 1109 required the CEC to adopt minimum energy efficiency standards for general-purpose lighting to reduce electricity consumption by 50% for indoor residential lighting and by 25% for indoor commercial lighting.

Renewable Energy and Energy Procurement

SB 1078. SB 1078 (Sher) (September 2002) established the Renewables Portfolio Standard (RPS) program, which required an annual increase in renewable generation by the utilities equivalent to at least 1% of sales, with an

aggregate goal of 20% by 2017. This goal was subsequently accelerated, requiring utilities to obtain 20% of their power from renewable sources by 2010 (see SB 107, EO S-14-08, and S-21-09).

SB 1368. SB 1368 (September 2006), required CEC to develop and adopt regulations for GHG emission performance standards for the long-term procurement of electricity by local publicly owned utilities. These standards must be consistent with the standards adopted by the California Public Utilities Commission (CPUC).

EO S-14-08. EO S-14-08 (November 2008) focused on the contribution of renewable energy sources to meet the electrical needs of California while reducing the GHG emissions from the electrical sector. This EO required that all retail suppliers of electricity in California serve 33% of their load with renewable energy by 2020. Furthermore, the EO directed state agencies to take appropriate actions to facilitate reaching this target. The California Natural Resources Agency (CNRA), through collaboration with the CEC and the California Department of Fish and Game (now the California Department of Fish and Wildlife), was directed to lead this effort.

EO S-21-09 and SB X1-2. EO S-21-09 (September 2009) directed CARB to adopt a regulation consistent with the goal of EO S-14-08 by July 31, 2010. CARB was further directed to work with CPUC and CEC to ensure that the regulation builds upon the RPS program and was applicable to investor-owned utilities, publicly owned utilities, direct access providers, and community choice providers. Under this order, CARB was to give the highest priority to those renewable resources that provide the greatest environmental benefits with the least environmental costs and impacts on public health and can be developed the most quickly in support of reliable, efficient, cost-effective electricity system operations. On September 23, 2010, CARB initially approved regulations to implement a Renewable Electricity Standard. However, this regulation was not finalized because of subsequent legislation (SB X1-2, Simitian, statutes of 2011) signed by Governor Brown in April 2011.

SB X1-2 expanded the RPS by establishing a renewable energy target of 20% of the total electricity sold to retail customers in California per year by December 31, 2013, and 33% by December 31, 2020, and in subsequent years. Under SB X1-2, a renewable electrical generation facility is one that uses biomass, solar thermal, photovoltaic, wind, geothermal, fuel cells using renewable fuels, small hydroelectric generation (30 megawatts or less), digester gas, municipal solid waste conversion, landfill gas, ocean wave, ocean thermal, or tidal current, and that meets other specified requirements with respect to its location.

SB X1-2 applies to all electricity retailers in the state, including publicly owned utilities, investor-owned utilities, electricity service providers, and community choice aggregators. All of these entities must meet the renewable energy goals listed above.

SB 350. SB 350 (October 2015) further expanded the RPS by establishing a goal of 50% of the total electricity sold to retail customers in California per year by December 31, 2030. In addition, SB 350 included the goal to double the energy efficiency savings in electricity and natural gas final end uses (such as heating, cooling, lighting, or class of energy uses on which an energy-efficiency program is focused) of retail customers through energy conservation and efficiency. The bill also requires CPUC, in consultation with CEC, to establish efficiency targets for electrical and gas corporations consistent with this goal.

SB 100. SB 100 (2018) increased the standards set forth in SB 350 establishing that 44% of the total electricity sold to retail customers in California per year by December 31, 2024, 52% by December 31, 2027, and 60% by December 31, 2030, be secured from qualifying renewable energy sources. SB 100 states that it is the policy of the state that eligible renewable energy resources and zero-carbon resources supply 100% of the retail sales of

electricity to California. SB 100 requires that the achievement of 100% zero-carbon electricity resources do not increase the carbon emissions elsewhere in the western grid, and that the achievement not be achieved through resource shuffling.

Mobile Sources

AB 1493. AB 1493 (Pavley) (July 2002) was enacted in response to the transportation sector accounting for more than half of California's CO₂ emissions. AB 1493 required CARB to set GHG emission standards for passenger vehicles, light-duty trucks, and other vehicles determined by the state board to be vehicles that are primarily used for noncommercial personal transportation in the state. The bill required that CARB set GHG emission standards for motor vehicles manufactured in 2009 and all subsequent model years. CARB adopted the standards in September 2004. When fully phased in, the near-term (2009–2012) standards would result in a reduction of approximately 22% of GHG emissions compared to the emissions from the 2002 fleet, and the mid-term (2013–2016) standards would result in a reduction of approximately 30%. However, as described in Section 3.2.1, Federal Regulations, EPA's Safer Affordable Fuel-Efficient Vehicles Rule Part One, adopted in November 2019, revokes California's authority to set its own GHG emissions standards. As the EPA rule is the subject of pending legal challenges and President Biden issued an EO to review Part One and Part Two, this analysis utilized the best available information at this time, as set forth in EMFAC.

Heavy-Duty Diesel. CARB adopted the final Heavy Duty Truck and Bus Regulation, Title 13, Division 3, Chapter 1, Section 2025, on December 31, 2014, to reduce DPM (black carbon) and NO_x emissions from heavy-duty diesel vehicles. The rule requires DPM filters be applied to newer heavier trucks and buses by January 1, 2012, with older vehicles required to comply by January 1, 2015. The rule will require nearly all diesel trucks and buses to be compliant with the 2010 model year engine requirement by January 1, 2023. CARB also adopted an Airborne Toxic Control Measure to limit idling of diesel-fueled commercial vehicles on December 12, 2013. This rule requires diesel-fueled vehicles with gross vehicle weights greater than 10,000 pounds to idle no more than 5 minutes at any location (13 CCR 2485).

EO S-1-07. EO S-1-07 (January 2007, implementing regulation adopted in April 2009) sets a declining LCFS for GHG emissions measured in CO₂e grams per unit of fuel energy sold in California. The target of the LCFS is to reduce the carbon intensity of California passenger vehicle fuels by at least 10% by 2020 (17 CCR 95480 et seq.). Carbon intensity measures the amount of GHG emissions in the lifecycle of a fuel, including extraction/feedstock production, processing, transportation, and final consumption, per unit of energy delivered.

SB 375. SB 375 (Steinberg) (September 2008) addresses GHG emissions associated with the transportation sector through regional transportation and sustainability plans. SB 375 requires CARB to adopt regional GHG reduction targets for the automobile and light-truck sector for 2020 and 2035, and to update those targets every 8 years. SB 375 requires the state's 18 regional metropolitan planning organizations to prepare a sustainable communities strategy as part of their RTP that will achieve the GHG reduction targets set by CARB. If a metropolitan planning organization is unable to devise a sustainable communities strategy to achieve the GHG reduction target, the metropolitan planning organization must prepare an alternative planning strategy demonstrating how the GHG reduction target would be achieved through alternative development patterns, infrastructure, or additional transportation measures or policies.

Pursuant to California Government Code Section 65080(b)(2)(K), a sustainable communities strategy does not (1) regulate the use of land, (2) supersede the land use authority of cities and counties, or (3) require that a city's or

county's land use policies and regulations, including those in a general plan, be consistent with it. Nonetheless, SB 375 makes regional and local planning agencies responsible for developing those strategies as part of the federally required metropolitan transportation planning process and the state-mandated housing element process.

Advanced Clean Cars Program and Zero-Emissions Vehicle Program. The Advanced Clean Cars program (January 2012) is a new emissions-control program for model years 2015 through 2025. The program combines the control of smog- and soot-causing pollutants and GHG emissions into a single coordinated package. The package includes elements to reduce smog-forming pollution, reduce GHG emissions, promote clean cars, and provide the fuels for clean cars (CARB 2012). To improve air quality, CARB has implemented new emission standards to reduce smog-forming emissions beginning with 2015 model year vehicles. It is estimated that by 2025, cars will emit 75% less smog-forming pollution than the average new car sold in 2015. To reduce GHG emissions, CARB, in conjunction with EPA and NHTSA, adopted new GHG standards for model year 2017 to 2025 vehicles; the new standards are estimated to reduce GHG emissions by 34% by 2025. The zero-emissions vehicle program will act as the focused technology of the Advanced Clean Cars program by requiring manufacturers to produce increasing numbers of zero-emissions vehicles and plug-in hybrid electric vehicles in the 2018 to 2025 model years.

EO B-16-12. EO B-16-12 (March 2012) required that state entities under the governor's direction and control support and facilitate the rapid commercialization of zero-emissions vehicles. It ordered CARB, CEC, CPUC, and other relevant agencies to work with the Plug-In Electric Vehicle Collaborative and the California Fuel Cell Partnership to establish benchmarks to help achieve goals by 2015, 2020, and 2025. On a statewide basis, EO B-16-12 established a target reduction of GHG emissions from the transportation sector equaling 80% less than 1990 levels by 2050. This directive did not apply to vehicles that have special performance requirements necessary for the protection of the public safety and welfare.

AB 1236. AB 1236 (October 2015) (Chiu) required a city, county, or city and county to approve an application for the installation of electric-vehicle charging stations, as defined, through the issuance of specified permits unless the city or county makes specified written findings based on substantial evidence in the record that the proposed installation would have a specific, adverse impact upon the public health or safety, and there is no feasible method to satisfactorily mitigate or avoid the specific, adverse impact. The bill provided for appeal of that decision to the planning commission, as specified. The bill provided that the implementation of consistent statewide standards to achieve the timely and cost-effective installation of electric-vehicle charging stations is a matter of statewide concern. AB 1236 required electric-vehicle charging stations to meet specified standards. The bill required a city, county, or city and county with a population of 200,000 or more residents to adopt an ordinance, by September 30, 2016, that created an expedited and streamlined permitting process for electric-vehicle charging stations. The bill also required a city, county, or city and county with a population of less than 200,000 residents to adopt this ordinance by September 30, 2017.

Advanced Clean Trucks Regulation

The Advanced Clean Trucks (ACT) Regulation was also approved by CARB in 2020. The purpose of the ACT Regulation is to accelerate the market for zero-emission vehicles in the medium- and heavy-duty truck sector and to reduce air pollutant emissions generated from on-road mobile sources (CARB 2021). The regulation has two components including (1) a manufacturer sales requirement and (2) a reporting requirement:

1. Zero-emission truck sales: Manufacturers who certify Class 2b-8 chassis or complete vehicles with combustion engines will be required to sell zero-emission trucks as an increasing percentage of their annual

California sales from 2024 to 2035. By 2035, zero-emission truck/chassis sales would need to be 55% of Class 2b – 3 truck sales, 75% of Class 4 – 8 straight truck sales, and 40% of truck tractor sales.

2. Company and fleet reporting: Large employers including retailers, manufacturers, brokers and others will be required to report information about shipments and shuttle services. Fleet owners, with 50 or more trucks, will be required to report about their existing fleet operations. This information will help identify future strategies to ensure that fleets purchase available zero-emission trucks and place them in service where suitable to meet their needs.

Water

EO B-29-15. In response to the ongoing drought in California, EO B-29-15 (April 2015) set a goal of achieving a statewide reduction in potable urban water usage of 25% relative to water use in 2013. The term of the EO extended through February 28, 2016, although many of the directives have become permanent water-efficiency standards and requirements. The EO includes specific directives that set strict limits on water usage in the state. In response to EO B-29-15, the California Department of Water Resources has modified and adopted a revised version of the Model Water Efficient Landscape Ordinance that, among other changes, significantly increases the requirements for landscape water use efficiency, and broadens its applicability to include new development projects with smaller landscape areas.

EO B-37-16. Issued May 2016, EO B-37-16 directed the State Water Resources Control Board (SWRCB) to adjust emergency water conservation regulations through the end of January 2017 to reflect differing water supply conditions across the state. The SWRCB also developed a proposal to achieve a mandatory reduction of potable urban water usage that builds off the mandatory 25% reduction called for in EO B-29-15. The SWRCB and Department of Water Resources will develop new, permanent water use targets that build upon the existing state law requirements that the state achieve 20% reduction in urban water usage by 2020. EO B-37-16 also specifies that the SWRCB permanently prohibit water-wasting practices such as hosing off sidewalks, driveways, and other hardscapes; washing automobiles with hoses not equipped with a shut-off nozzle; using non-recirculated water in a fountain or other decorative water feature; watering lawns in a manner that causes runoff, or within 48 hours after measurable precipitation; and irrigating ornamental turf on public street medians.

EO B-40-17. EO B-40-17 (April 2017) lifted the drought emergency in all California counties except Fresno, Kings, Tulare, and Tuolumne. It also rescinded EO B-29-15, but expressly states that EO B-37-16 remains in effect and directs the SWRCB to continue development of permanent prohibitions on wasteful water use.

Solid Waste

AB 939, AB 341, and AB 1826. In 1989, AB 939, known as the Integrated Waste Management Act (California Public Resources Code, Sections 40000 et seq.), was passed because of the increase in waste stream and the decrease in landfill capacity. AB 939 mandated a reduction of waste being disposed where jurisdictions were required to meet diversion goals of all solid waste through source reduction, recycling, and composting activities of 25% by 1995 and 50% by the year 2000. AB 341 (Chapter 476, Statutes of 2011) amended the California Integrated Waste Management Act of 1989 to include a provision declaring that it is the policy goal of the state that not less than 75% of solid waste generated be source-reduced, recycled, or composted by the year 2020, and annually thereafter. AB 1826 (Chapter 727, Statutes of 2014, effective 2016) requires businesses to recycle their organic waste (i.e., food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed in with food waste) depending on the amount of waste they generate per week.

Other State Actions

SB 97. SB 97 (Dutton) (August 2007) directed the Governor’s Office of Planning and Research to develop guidelines under CEQA for the mitigation of GHG emissions. In 2008, the Governor’s Office of Planning and Research issued a technical advisory as interim guidance regarding the analysis of GHG emissions in CEQA documents. The advisory indicated that the lead agency should identify and estimate a project’s GHG emissions, including those associated with vehicular traffic, energy consumption, water usage, and construction activities (OPR 2008). The advisory further recommended that the lead agency determine the significance of the impacts and impose all mitigation measures necessary to reduce GHG emissions to a level that is less than significant. CNRA adopted the CEQA Guidelines amendments in December 2009, and they became effective in March 2010.

Under the amended CEQA Guidelines, a lead agency has the discretion to determine whether to use a quantitative or qualitative analysis, or apply performance standards to determine the significance of GHG emissions resulting from a particular project (14 CCR 15064.4[a]). The CEQA Guidelines require a lead agency to consider the extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (14 CCR 15064.4[b]). The CEQA Guidelines also allow a lead agency to consider feasible means of mitigating the significant effects of GHG emissions, including reductions in emissions through the implementation of project features or off-site measures. The adopted amendments do not establish a GHG emission threshold, instead allowing a lead agency to develop, adopt, and apply its own thresholds of significance or those developed by other agencies or experts. CNRA also acknowledges that a lead agency may consider compliance with regulations or requirements implementing AB 32 in determining the significance of a project’s GHG emissions (CNRA 2009a).

With respect to GHG emissions, the CEQA Guidelines state that lead agencies should “make a good faith effort, to the extent possible on scientific and factual data, to describe, calculate or estimate” GHG emissions (14 CCR 15064.4[a]). The CEQA Guidelines note that an agency may identify emissions by either selecting a “model or methodology” to quantify the emissions or by relying on “qualitative analysis or other performance based standards” (14 CCR 15064.4[a]). Section 15064.4(b) states that the lead agency should consider the following when assessing the significance of impacts from GHG emissions on the environment: (1) the extent to which a project may increase or reduce GHG emissions as compared to the existing environmental setting; (2) whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project; and (3) the extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (14 CCR 15064.4[b]).

EO S-13-08. EO S-13-08 (November 2008) is intended to hasten California’s response to the impacts of global climate change, particularly sea-level rise. Therefore, the EO directs state agencies to take specified actions to assess and plan for such impacts. The final 2009 California Climate Adaptation Strategy report was issued in December 2009 (CNRA 2009b), and an update, *Safeguarding California: Reducing Climate Risk*, followed in July 2014 (CNRA 2014). To assess the state’s vulnerability, the report summarizes key climate change impacts to the state for the following areas: agriculture, biodiversity and habitat, emergency management, energy, forestry, ocean and coastal ecosystems and resources, public health, transportation, and water. Issuance of the *Safeguarding California: Implementation Action Plans* followed in March 2016 (CNRA 2016). In January 2018, the CNRA released the *Safeguarding California Plan: 2018 Update*, which communicates current and needed actions that state government should take to build climate change resiliency (CNRA 2018a).

3.2.3 Local Regulations

3.2.3.1 Northern Sierra Air Quality Management District

Air districts typically act in an advisory capacity to local governments in establishing the framework for environmental review of air pollution impacts under CEQA. This may include recommendations regarding significance thresholds, analytical tools to estimate emissions and assess impacts, and mitigation for potentially significant impacts. The NSAQMD has not adopted specific guidance or thresholds applicable to the analysis of a project's contribution to GHG emissions or associated climate change effects. See Section 2.2.3.1, Northern Sierra Air Quality Management District, for additional discussion on the NSAQMD.

3.2.3.2 Nevada County Transportation Commission

At the regional level, the NCTC has adopted the 2015–2035 RTP to facilitate the efficient development and implementation of projects while maintaining public health and environmental quality (NCTC 2018). See Section 2.2.3.2, Nevada County Transportation Commission, for additional discussion on the NCTC and 2015–2035 RTP.

3.2.3.3 Nevada County

As discussed in Section 2.2.3.3, Nevada County, the County's General Plan contains goals, objectives, and policies pertaining to improving air quality in multiple chapters of the General Plan. Specifically, the County's General Plan Air Quality Element (Nevada County 1995) includes goals, objectives, and policies designed to help improve air quality within the County, and the County's General Plan Circulation Element (Nevada County 2010) includes goals to encourage the use of alternative modes of transportation to reduce VMT. Many of these air quality and transportation policies would also result in co-benefits of reducing GHG emissions.

Nevada County adopted the Nevada County Energy Action Plan (EAP) in February 2019 (Nevada County 2019), which provides an analysis of the energy use within the unincorporated County limits and County operated facilities, as well as strategies for accelerating energy efficiency, water efficiency, and renewable energy efforts already underway in Nevada County. The goal of the EAP is to reduce the projected annual grid supplied electricity use in 2035 by 51%, and annual natural gas use by 30%. Notably, the actions within the EAP are voluntary and do not require the County or community to meet the reduction goals; however, savings may only be realized if the recommended actions are taken (Nevada County 2019).

3.3 Greenhouse Gas Inventories and Climate Change Conditions

3.3.1 Sources of Greenhouse Gas Emissions

3.3.1.1 Global Inventory

Anthropogenic GHG emissions worldwide in 2017 (the most recent year for which data is available) totaled approximately 50,860 MMT of CO₂e, excluding land use change and forestry (PBL 2018). Six countries—China, the

United States, the Russian Federation, India, Japan, and Brazil—and the European community accounted for approximately 65% of the total global emissions, or approximately 33,290 MMT CO₂e (PBL 2018). Table 20 presents the top GHG-emissions-producing countries.

Table 20. Six Top Greenhouse Gas Producer Countries and the European Union

Emitting Countries (listed in order of emissions)	Greenhouse Gas Emissions (MMT CO ₂ e)
China	13,530
United States	6,640
European Union	4,560
India	3,650
Russian Federation	2,220
Japan	1,490
Brazil	1,200
Total	33,290

Source: PBL 2018.

Note: MMT CO₂e = million metric tons of carbon dioxide equivalent.

3.3.1.2 National and State Inventories

Per the EPA's Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2017, total U.S. GHG emissions were approximately 6,457 MMT CO₂e in 2017 (EPA 2019). The largest source of CO₂, and of overall GHG emissions, was fossil fuel combustion, which accounted for approximately 93.2% of CO₂ emissions in 2017 (4,912.0 MMT CO₂e). Relative to the 1990 emissions level, gross U.S. GHG emissions in 2017 were 1.3% higher; however, the gross emissions are down from a high of 15.7% above the 1990 level that occurred in 2007. GHG emissions decreased from 2016 to 2017 by 0.5% (35.5 MMT CO₂e) and, overall, net emissions in 2017 were 13% below 2005 levels (EPA 2019).

According to California's 2000–2017 GHG emissions inventory (2019 edition), California emitted 424 MMT CO₂e in 2017, 5 MMT CO₂e lower than 2016 levels and 7 MMT CO₂e below the 2020 GHG limit of 431 MMT CO₂e (CARB 2019j). Between 2000 and 2017, per-capita GHG emissions in California dropped from a peak of 14.1 MT per person in 2001 to 10.7 MT per person in 2017, representing a 24% decrease. The sources of GHG emissions in California include transportation, industrial uses, electric power production from both in-state and out-of-state sources, commercial and residential uses, agriculture, high GWP substances, and recycling and waste. The California GHG emission source categories (as defined in CARB's Scoping Plan) and their relative contributions in 2017 are presented in Table 21.

Table 21. Greenhouse Gas Emissions Sources in California

Source Category	Annual GHG Emissions (MMT CO ₂ e)	Percent of Total ^a
Transportation	169.9	40.1%
Industrial	89.4	21.1%
Electric Power ^b	62.4	14.7%
Commercial & Residential	41.1	9.7%
Agriculture	32.4	7.6%

Table 21. Greenhouse Gas Emissions Sources in California

Source Category	Annual GHG Emissions (MMT CO ₂ e)	Percent of Total ^a
High GWP	19.9	4.7%
Recycling & Waste	8.9	2.1%
Total	424.0	100%

Source: CARB 2019i.

Notes: GHG = greenhouse gas; MMT CO₂e = million metric tons of carbon dioxide equivalent; GWP = global warming potential. Emissions reflect 2017 California GHG inventory.

^a Percentage of total has been rounded and total may not sum due to rounding.

^b Includes emissions associated with imported electricity, which account for 23.9 MMT CO₂e.

3.3.1.3 Local Inventories

No official GHG inventory has been completed for the County.

3.3.2 Potential Effects of Climate Change

Globally, climate change has the potential to affect numerous environmental resources through uncertain impacts related to future air temperatures and precipitation patterns. The 2014 Intergovernmental Panel on Climate Change Synthesis Report indicated that warming of the climate system is unequivocal, and since the 1950s, many of the observed changes are unprecedented over decades to millennia. Signs that global climate change has occurred include warming of the atmosphere and ocean, diminished amounts of snow and ice, rising sea levels, and ocean acidification (IPCC 2014).

In California, climate change impacts have the potential to affect sea-level rise, agriculture, snowpack and water supply, forestry, wildfire risk, public health, frequency of severe weather events, and electricity demand and supply. The primary effect of global climate change has been a rise in average global tropospheric temperature. Reflecting the long-term warming trend since pre-industrial times, observed global mean surface temperature for the decade 2006–2015 was 0.87°C (likely between 0.75°C and 0.99°C) higher than the average over the 1850–1900 period (IPCC 2018). Scientific modeling predicts that continued emissions of GHGs at or above current rates would induce more extreme climate changes during the twenty-first century than were observed during the twentieth century. Human activities are estimated to have caused approximately 1.0°C (1.8°F) of global warming above pre-industrial levels, with a likely range of 0.8°C to 1.2°C (1.4°F to 2.2°F) (IPCC 2018). Global warming is likely to reach 1.5°C (2.7°F) between 2030 and 2052 if it continues to increase at the current rate (IPCC 2018).

Although climate change is driven by global atmospheric conditions, climate change impacts are felt locally. A scientific consensus confirms that climate change is already affecting California. The Office of Environmental Health Hazard Assessment identified various indicators of climate change in California, which are scientifically based measurements that track trends in various aspects of climate change. Many indicators reveal discernable evidence that climate change is occurring in California and is having significant, measurable impacts in the state. Changes in the state's climate have been observed, including an increase in annual average air temperature with record warmth from 2012 to 2016, more frequent extreme heat events, more extreme drought, a decline in winter chill, an increase in cooling degree days and a decrease in heating degree days, and an increase in variability of statewide precipitation (OEHHA 2018).

Warming temperatures and changing precipitation patterns have altered California's physical systems—the ocean, lakes, rivers and snowpack—upon which the state depends. Winter snowpack and spring snowmelt runoff from the Sierra Nevada and southern Cascade Mountains provide approximately one-third of the state's annual water supply. Impacts of climate on physical systems have been observed, such as high variability of snow-water content (i.e., amount of water stored in snowpack), decrease in snowmelt runoff, glacier change (loss in area), rise in sea levels, increase in average lake water temperature and coastal ocean temperature, and a decrease in dissolved oxygen in coastal waters (OEHHA 2018).

Impacts of climate change on biological systems, including humans, wildlife, and vegetation, have also been observed, including climate change impacts on terrestrial, marine, and freshwater ecosystems. As with global observations, species responses include those consistent with warming: elevational or latitudinal shifts in range, changes in the timing of key plant and animal life cycle events, and changes in the abundance of species and in community composition. Humans are better able to adapt to a changing climate than plants and animals in natural ecosystems. Nevertheless, climate change poses a threat to public health as warming temperatures and changes in precipitation can affect vector-borne pathogen transmission and disease patterns in California, as well as the variability of heat-related deaths and illnesses. In addition, since 1950, the area burned by wildfires each year has been increasing.

The CNRA has released four California Climate Change Assessments (2006, 2009, 2012, and 2018), which have addressed the following: acceleration of warming across the state, more intense and frequent heat waves, greater riverine flows, accelerating sea level rise, more intense and frequent drought, more severe and frequent wildfires, more severe storms and extreme weather events, shrinking snowpack and less overall precipitation, and ocean acidification, hypoxia, and warming. To address local and regional governments need for information to support action in their communities, the Fourth Assessment (2018) includes reports for nine regions of the state, including the Sierra Nevada region, where the project is located. Key projected climate changes for the Sierra Nevada region include the following (CNRA 2018b):

- Climate change is already underway in the Sierra Nevada region, affecting heat and precipitation extremes, with long-term warming trends, declining snowpacks, and changes in streamflow timing. These ongoing trends foreshadow larger changes to come. By the end of the 21st century, temperatures in the Sierra Nevada are projected to warm by 6 to 9°F on average, enough to raise the transition from rain to snow during a storm by about 1,500 to 3,000 feet. In contrast, future precipitation is predicted to vary less than temperature; longterm changes may be no more than ± 10 -15% of current totals. However, precipitation extremes (both as deluge and drought) are expected to increase markedly under climate change. These climatic changes will depend on and reflect many factors, including elevation within the mountain range, with quicker warming trends and precipitation changes at highest elevations.
- As a result of projected warming, Sierra Nevada snowpacks will very likely be eradicated below about 6,000 feet elevation and will be much reduced by more than 60% across nearly all of the range. Notably, though, recent studies suggest that even these snowpack-loss projections may be underestimates, due to feedback loops with warming trends causing snow cover losses, and snow cover losses resulting in warmer land surfaces and thus enhanced warming trends in turn.
- The loss of snowpack will combine to dry soils 15% to 40% below historical norms, depending on elevations. The result will be reduced soil and vegetation moisture; changes in rivers and lakes; and ultimately stresses on flora and fauna. Loss of snowpack and overall drying will lead to increased winter streamflows and floods, and to (largely compensating) reductions in spring and summer streamflows.

The Fourth Climate Change Assessment for the Sierra Nevada Region also provides a framework for adaptation that considers several major vulnerabilities and arenas for climate-change adaptation in the Sierra Nevada. First, a recommended strategy for developing adaptation options includes (1) understanding historical trends, (2) identifying vulnerabilities, (3) developing strategies, and (4) monitoring results. The three main categories of focus are ecosystems and wildlife, water resources, and human communities. Second, not all adaptations seek to completely avoid climate-change impacts. Four categories of adaptation, in order of increasing intervention, are efforts to support resistance (trying to ward off climate-change impacts), resilience (increasing the capacity of systems to absorb and bounce back from climate changes), orderly response (assisting transitions to avoid at least the most undesired outcomes), and realignment (facilitating major transitions to the most desirable new conditions) to the new climate-changed environment that is coming.

3.4 Significance Criteria and Methodology

3.4.1 Thresholds of Significance

The significance criteria used to evaluate the project's GHG emissions impacts are based on the recommendations provided in Appendix G of the CEQA Guidelines. For the purposes of this GHG emissions analysis, the project would have a significant environmental impact if it would (14 CCR 15000 et seq.):

1. Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment.
2. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs.

At this time, neither the NSAQMD nor the County has adopted numerical thresholds of significance for GHG emissions that would apply to the project. The NSAQMD, however, recommends that all projects subject to CEQA review be considered in the context of GHG emissions and climate change impacts, and that CEQA documents include a quantification of GHG emissions from all project sources, as well as minimize and mitigate GHG emissions as feasible (NSAQMD 2019). The project would generate GHG emissions through short-term construction activities and long-term operational activities.

In light of the lack of established GHG emissions thresholds that would apply to the project, CEQA allows lead agencies to identify thresholds of significance applicable to a project that are supported by substantial evidence. Substantial evidence is defined in the CEQA statute to mean "facts, reasonable assumptions predicated on facts, and expert opinion supported by facts" (14 CCR 15384(b)).²⁷ Substantial evidence can be in the form of technical studies, agency staff reports or opinions, expert opinions supported by facts, and prior CEQA assessments and planning documents. Therefore, to establish additional context in which to consider the order of magnitude of the project's GHG emissions,

²⁷ 14 CCR 15384 provides the following discussion: "Substantial evidence" as used in the Guidelines is the same as the standard of review used by courts in reviewing agency decisions. Some cases suggest that a higher standard, the so called "fair argument standard" applies when a court is reviewing an agency's decision whether or not to prepare an EIR. Public Resources Code section 21082.2 was amended in 1993 (Chapter 1131) to provide that substantial evidence shall include "facts, reasonable assumptions predicated upon facts, and expert opinion supported by facts." The statute further provides that "argument, speculation, unsubstantiated opinion or narrative, evidence which is clearly inaccurate or erroneous, or evidence of social or economic impacts which do not contribute to, or are not caused by, physical impacts on the environment, is not substantial evidence."

this analysis accounts for the following considerations by other government agencies and associations about what levels of GHG emissions constitute a cumulatively considerable incremental contribution to climate change:

- The SMAQMD established thresholds, including 1,100 MT CO₂e per year for the construction or operational phase of land use development projects, or 10,000 direct MT CO₂e per year from stationary source projects (SMAQMD 2018).
- The PCAPCD recommends a tiered approach to determine if a project's GHG emissions would result in a significant impact. First, project GHG emissions are compared to the de minimis level of 1,100 MT CO₂e per year. If a project does not exceed this threshold, it does not have significant GHG emissions. If the project exceeds the de minimis level and does not exceed the 10,000 MT CO₂e per year bright line threshold, then the project's GHG emissions can be compared to the efficiency thresholds. These thresholds are 4.5 MT CO₂e per-capita for residential projects in an urban area, and 5.5 MT CO₂e per-capita for residential projects in a rural area. For nonresidential development, the thresholds are 26.5 MT CO₂e per 1,000 square feet for projects in urban areas, and 27.3 MT CO₂e per 1,000 square feet for projects in rural areas. The PCAPCD bright-line GHG threshold of 10,000 MT CO₂e per year is also applied to land use projects' construction phase and stationary source projects' construction and operational phases. Generally, GHG emissions from a project that exceed 10,000 MT CO₂e per year would be deemed to have a cumulatively considerable contribution to global climate change (PCAPCD 2017).
- The BAAQMD has adopted 1,100 MT CO₂e per year as a project-level bright-line GHG significance threshold that would apply to operational emissions from mixed land-use development projects, a threshold of 10,000 MT CO₂e per year as the significance threshold for operational GHG emissions from stationary-source projects, and an efficiency threshold of 4.6 MT CO₂e per service population per year (BAAQMD 2017).
- The South Coast Air Quality Management District (SCAQMD) formed a GHG CEQA Significance Threshold Working Group to work with SCAQMD staff on developing GHG CEQA significance thresholds until statewide significance thresholds or guidelines are established. In December 2008, the SCAQMD adopted an interim 10,000 MT CO₂e per-year screening level threshold for stationary source/industrial projects for which the SCAQMD is the lead agency (SCAQMD Resolution No. 08-35, December 5, 2008).

For a conservative evaluation, the SMAQMD 1,100 MT CO₂e per year construction GHG threshold has been applied to project construction. For operations, since the project is an industrial project that includes stationary sources (i.e., diesel generators used for emergency power), the project's GHG emissions were compared to the 10,000 MT CO₂e per year quantitative threshold, which, as described above, is used by SMAQMD, PCAPCD, BAAQMD, and SCAQMD for industrial and/or stationary source emissions of GHGs. The substantial evidence for this GHG emissions threshold is based on the expert opinion of various California air districts, which have applied the 10,000 MT CO₂e per year threshold in numerous CEQA documents where those air districts are the lead agency.

3.4.2 Approach and Methodology

3.4.2.1 Construction Emissions

Construction of the project would result in GHG emissions primarily associated with use of off-road construction equipment, on-road hauling and vendor (material delivery) trucks, worker vehicles, and emergency generator testing and maintenance. All details for construction criteria air pollutants discussed in Section 2.4.2.1, Construction Emissions, are also applicable for the estimation of construction-related GHG emissions. As such, see Section

2.4.2.1 for a discussion of construction emissions calculation methodology and assumptions. Assumptions incorporated in the spreadsheet modeling are detailed in Appendix A.

Electricity Use. In addition to the above sources, electricity use for the underground mine equipment, water treatment, and raise boring during construction would be required and would result in GHGs from electricity generation. Anticipated annual electricity consumption during construction (year 2021) would be approximately 16,513 megawatt-hours. Emission factors (in pounds per megawatt-hour) for CO₂, CH₄, and N₂O are from CalEEMod for PG&E.

NID-Supplied Potable Water. During construction, before the water treatment plant is in operation, NID-supplied water would be required for dust suppression. The NID-supplied water would result in associated indirect GHG emissions. For the assessment, it was assumed that about 11 million gallons would be required for construction dust suppression. PG&E would provide the electricity for NID, with utility GHG emission factors based on the same assumptions described above for “Electricity Use.”

3.4.2.2 Operational Emissions

Sources of GHG emissions generated during project operations would include off-road equipment, on-road vehicles, emergency generator testing and maintenance, underground blasting, electricity use associated with facility consumption, NID conveyance of water to residences along the potable water line, septic field treatment of wastewater, and solid waste. Logging and chipping of trees would also occur intermittently at the Centennial and Brunswick Industrial sites, as engineered fill is placed. All details for operational criteria air pollutants from off-road equipment, on-road vehicles, and blasting discussed in Section 2.4.2.2, Operational Emissions, are also applicable for the estimation of operational GHG emissions. As such, see Section 2.4.2.2 for a discussion of the emissions calculation methodology and assumptions for these sources. GHG emissions methodology and assumptions associated with electricity for facilities, water conveyance, septic wastewater treatment, solid waste, and tree removal are described below. Assumptions incorporated in the spreadsheet modeling are detailed in Appendix A and are based on project information provided by Rise.

Electricity for Facilities. Electricity consumption for facility operations accounts for electrically powered underground mine equipment, the ore processing facility, water treatment, and surface building operations. For the three different periods assessed (based on where the engineered fill would be routed), it was assumed that the electricity consumption would remain the same, estimated at approximately 49,613 megawatt-hours per year. Additionally, the same GHG emission factors (pounds per megawatt-hour) for CO₂, CH₄, and N₂O used for the construction phase were used for all future years of operation. This assumption is conservative since, as discussed in Section 3.2.2, the RPS standard schedule will result in reduced GHGs from electricity generation overtime.

NID-Supplied Potable Water. Supply, conveyance, treatment, and distribution of water for the project would require the use of electricity, which would result in associated indirect GHG emissions. For the assessment, it was assumed that up to 26 residences would be switched from well water to the new NID potable water line, with indoor and outdoor water use (total demand of approximately 2.8 million gallons per year) based on default factors included in CalEEMod for single-family homes. Potable water use at the Brunswick Industrial Site was estimated to be approximately 1.4 million gallons per year. For engineered fill placement at the Centennial Industrial Site, it was assumed that water for dust suppression would be supplied by NID, which was estimated at about 11 million gallons per year. PG&E would provide the electricity for NID, with utility GHG emission factors based on the same assumptions described above for “Electricity for Facilities.”

Septic System. A septic field system would be used to treat wastewater from the Brunswick Industrial Site facilities. Approximately 3,952 gallons per day of potable water would be used per day, which would flow into the septic field. Emissions of CH₄ and N₂O from septic wastewater treatment for the project were based on default equations and emission factors from CalEEMod.

Solid Waste. Annual solid waste generated by project employees would be approximately 205 tons, which would result in GHG emissions associated with landfill off-gassing. CalEEMod default values for solid waste generation and emission factors were used to estimate GHG emissions associated with solid waste.

Tree Removal. Carbon sequestration is the process by which CO₂ is removed from the atmosphere and deposited into a carbon reservoir (e.g., vegetation). Trees and vegetation take in CO₂ from the atmosphere during photosynthesis, break down the CO₂, store the carbon within plant parts, and release the oxygen back into the atmosphere. On the Brunswick site, approximately 18.7 acres of forested areas (Montane Hardwood-Conifer, Montane Hardwood, Ponderosa Pine, and Sierran Mixed Conifer vegetation communities) will be disturbed and trees will require removal. On the Centennial site, up to approximately 5.3 acres of forested areas (Montane Hardwood-Conifer and Montane Hardwood vegetation communities) will be disturbed and trees will require removal. The removal of approximately 24 acres of trees would be required as a result of the proposed project, thereby removing stored carbon from the sites. To evaluate the loss of stored carbon associated with removal of vegetation, the calculation methodology and default values provided in CalEEMod for the “forest land – trees” category. To calculate potential CO₂ emissions associated with the one time change in carbon sequestration capacity of a vegetation land use type, CalEEMod utilizes data and formulas based on the Intergovernmental Panel on Climate Change (IPCC) reports. The estimated CO₂ loss was then amortized over 80 years based on the anticipated project life.

3.5 Impact Analysis

3.5.1 Threshold GHG-1

Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

As described in Section 3.4.2.1, Construction Emissions, construction of the project would result in GHG emissions primarily associated with use of off-road construction equipment, on-road hauling and vendor (material delivery) trucks, worker vehicles, and emergency generator testing and maintenance. Additionally, GHG emissions would be associated with PG&E-supplied electricity for the underground mine equipment, NID-supplied water, water treatment, and raise boring. Sources of GHG emissions generated during project operations would include off-road equipment, on-road vehicles, emergency generator testing and maintenance, underground blasting, electricity use associated with facility consumption, NID conveyance of water to residences along the potable water line, septic field treatment of wastewater, solid waste, and carbon loss from tree removal. Detailed assumptions associated with project construction and operational GHG emission calculations are included in Appendix A.

Table 22 shows the estimated annual unmitigated GHG emissions associated with construction and operation of the project.

Table 22. Estimated Annual Greenhouse Gas Emissions

Emission Source	CO2	CH4	N2O	CO2e
	Metric Tons per Year			
Year 2021 – Construction/Dewatering				
Emergency Generators ^a	301.76	0.01	0.00	303.44
Off-Road Equipment ^b	1,029.94	0.30	0.13	1,077.25
On-Road Vehicles – Off-Site	496.35	0.01	0.04	508.67
On-Road Vehicles – On-Site	11.61	0.00	0.00	12.22
PG&E-Supplied Electricity	1,527.86	0.25	0.03	1,542.97
NID-Supplied Potable Water	3.56	0.00	0.00	3.60
Total Annual Emissions				3,444.55
GHG Threshold				1,100
Significant (Yes/No)?				Yes
Year 2022 to 2026 – Mining, Brunswick Industrial Site Operations, Fill Placement at Centennial				
Emergency Generators ^a	603.53	0.02	0.01	606.88
Off-Road Equipment ^b	721.54	0.21	0.09	754.68
On-Road Vehicles – Off-Site	900.61	0.02	0.07	922.80
On-Road Vehicles – On-Site	71.40	0.01	0.01	75.16
Logging/ Chipping – Off-Road Equipment	1.07	0.00	0.00	1.10
Logging/ Chipping – On-Road Vehicles Off-Site	4.52	0.00	0.00	4.73
Logging/ Chipping – On-Road Vehicles On-Site	0.02	0.00	0.00	0.02
Underground Blasting/Mining ^c	68.79	0.00	0.00	69.05
PG&E-Supplied Electricity	4,590.43	0.74	0.09	4,635.82
NID-Supplied Potable Water	5.48	0.00	0.00	5.53
Wastewater Septic Field	—	0.33	0.00	8.52
Solid Waste	41.55	2.46	—	102.94
Tree Removal – Carbon Loss ^d	33.30	—	—	33.30
Total Annual Emissions				7,221.64
GHG Threshold				10,000
Significant (Yes/No)?				No
Year 2027 to 2032 – Mining, Brunswick Industrial Site Operations, Fill Placement at Brunswick				
Emergency Generators ^a	603.53	0.02	0.01	606.88
Off-Road Equipment ^b	721.55	0.21	0.09	754.27
On-Road Vehicles – Off-Site	680.59	0.01	0.05	694.55
On-Road Vehicles – On-Site	82.35	0.00	0.01	86.51
Logging/ Chipping – Off-Road Equipment	1.07	0.00	0.00	1.10
Logging/ Chipping – On-Road Vehicles Off-Site	4.52	0.00	0.00	4.73
Logging/ Chipping – On-Road Vehicles On-Site	0.02	0.00	0.00	0.02
Underground Blasting/Mining ^c	68.79	0.00	0.00	69.05
PG&E-Supplied Electricity	4,590.43	0.74	0.09	4,635.82
NID-Supplied Potable Water	1.92	0.00	0.00	1.94
Wastewater Septic Field	—	0.33	0.00	8.52
Solid Waste	41.55	2.46	—	102.94
Tree Removal – Carbon Loss ^d	33.30	—	—	33.30

Table 22. Estimated Annual Greenhouse Gas Emissions

Emission Source	CO ₂	CH ₄	N ₂ O	CO ₂ e
	<i>Metric Tons per Year</i>			
Total Annual Emissions				6,999.63
<i>GHG Threshold</i>				<i>10,000</i>
Significant (Yes/No)?				No
<i>Year 2033 to 2102 – Mining, Brunswick Industrial Site Operations, Fill Placement at Off-Site Location</i>				
Emergency Generators ^a	603.53	0.02	0.01	606.88
Off-Road Equipment ^b	395.26	0.05	0.02	402.44
On-Road Vehicles – Off-Site	2,998.79	0.01	0.42	3,123.46
On-Road Vehicles – On-Site	54.16	0.00	0.01	56.89
Underground Blasting/Mining ^c	68.79	0.00	0.00	69.05
PG&E-Supplied Electricity	4,590.43	0.74	0.09	4,635.82
NID-Supplied Potable Water	1.92	0.00	0.00	1.94
Wastewater Septic Field	—	0.33	0.00	8.52
Solid Waste	41.55	2.46	—	102.94
Tree Removal – Carbon Loss ^d	33.30	—	—	33.30
Total Annual Emissions				9,041.23
<i>GHG Threshold</i>				<i>10,000</i>
Significant (Yes/No)?				No
<i>Year 2103 – Reclamation</i>				
Off-Road Equipment ^b	25.86	0.00	0.00	26.02
On-Road Vehicles – Off-Site	19.61	0.00	0.00	20.07
Total Annual Emissions				46.09
<i>GHG Threshold</i>				<i>10,000</i>
Significant (Yes/No)?				No

Source: Appendix A.

Notes: GHG = greenhouse gas; CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; CO₂e = carbon dioxide equivalent; NID = Nevada Irrigation District

Totals may not sum due to rounding.

^a The diesel emergency generators were assumed to operate up to a maximum of 100 hours per year for routine testing and maintenance, per the CARB ATCM for Stationary Compression Ignition Engines.

^b Accounts for APM-AQ-1 (Exhaust Emission Controls), including Tier 4 Final equipment owned by Rise Grass Valley Inc and electricity needed for underground equipment.

^c Includes GHG emissions from the combustion of ANFO and detonators for blasting.

^d Carbon loss was estimated for 24 acres of tree removal, then amortized over the anticipated 80-year project life.

As shown in Table 22, the project would not exceed the applied threshold of 10,000 MT CO₂e per year during operations. However, the project would exceed the 1,100 MT CO₂e per year threshold during construction, without mitigation.

Mobile Source Emissions by Air District

As discussed in the air quality analysis, for the purpose of this analysis, it is assumed that all mobile source GHG emissions generated by the project would occur within the NSAQMD jurisdictional boundaries. Assuming all mobile source GHG emissions are included in the project's GHG emissions inventory prior to comparing emissions to the applied CEQA GHG threshold represents a conservative assumption. Nonetheless, it is acknowledged that due to

the assumed trip length for some project vehicles, that portions of project trips and associated mobile source emissions could occur outside of the NSAQMD jurisdictional boundaries and within other air district boundaries. Accordingly, for disclosure and to present the magnitude of potential GHG emissions occurring within other air districts, off-site mobile source emissions for the Year 2033 to 2102 – Mining, Brunswick Industrial Site Operations, Fill Placement at Off-Site Location scenario by air district are presented by herein. GHG emissions result in global effects; accordingly, the location of the GHG emission source is irrelevant from a scientific perspective. However, since GHG emissions are compared to the lead agency applied numeric threshold, they are separated by air district for disclosure. See Section 2.5.2 for a description of the methods and assumptions applied for this informational evaluation. For this GHG emission estimation, only running exhaust emissions were included; starting and idling emissions, which are minor, as excluded as the focus is on the VMT rather than the ultimate origin and/or destination of each trip and paved road dust do not result in GHG emissions.

Table 23 presents the estimated annual project-generated off-site mobile source GHG emissions by air district for informational purposes only.

Table 23. Estimated Annual Off-Site Mobile Source Greenhouse Gas Emissions by Air District

Emission Source	CO ₂	CH ₄	N ₂ O	CO ₂ e
	Metric Tons per Year			
Year 2033 to 2102 – Mining, Brunswick Industrial Site Operations, Fill Placement at Off-Site Location				
NSAQMD	1,074.79	0.00	0.11	1,108.93
PCAPCD	1,084.55	0.00	0.16	1,135.37
SMAQMD	756.02	0.00	0.11	791.44
YSAQMD	26.55	0.00	0.00	27.79
BAAQMD	41.55	0.00	0.01	43.50

Source: Appendix A.

Notes: GHG = greenhouse gas; CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; CO₂e = carbon dioxide equivalent; NSAQMD = Northern Sierra Air Quality Management District; PCAPCD = Placer County Air Pollution Control District; SMAQMD = Sacramento Metropolitan Air Quality Management District; YSAQMD = Yolo-Solano Air Quality Management District; BAAQMD = Bay Area Air Quality Management District.

Combined emissions by air district do not match total project-generated mobile source emissions due to rounding and inclusion of running exhaust emissions only.

Mitigation Measures

MM-GHG-1: Construction GHG Emissions Reductions. To reduce greenhouse gas (GHG) emissions generated during construction from construction equipment, the following measures shall be incorporated into the project:

- a) Properly tune and maintain all construction equipment in accordance with manufacturer's specifications;
- b) Where feasible, employ the use of electrical or alternative fueled (i.e., non-diesel) construction equipment, including forklifts, concrete/industrial saws, pumps, aerial lifts, air compressors, and other comparable equipment types to the extent commercially available.

- c) To reduce the need for electric generators and other fuel-powered equipment, provide on-site electrical hookups for the use of hand tools such as saws, drills, and compressors used for building construction.
- d) Encourage and provide carpools, shuttle vans, transit passes and/or secure bicycle parking for construction worker commutes.
- e) Use locally sourced or recycled materials for construction materials (goal of at least 20% based on costs for building materials, and based on volume for roadway, parking lot, sidewalk and curb materials). Wood products utilized should be certified through a sustainable forestry program.
- f) Minimize the amount of concrete for paved surfaces or utilize a low carbon concrete option.

MM-GHG-2: Carbon Offsets – Construction Emissions. Rise Grass Valley Inc. (Rise) shall retire carbon offsets in a quantity sufficient to offset the project’s construction greenhouse gas (GHG) emissions to below the 1,100 metric ton carbon dioxide equivalent (MT CO₂e) per year construction threshold, consistent with the performance standards and requirements set forth below. Specifically, prior to Nevada County’s (County) issuance of the project’s first grading permit, Rise shall retire carbon offsets equaling 2,345 MT CO₂e, which was calculated by subtracting 1,100 MT CO₂e (threshold) from the construction emissions generated by the project.

Carbon Offset Standards – Eligible Registries, Acceptable Protocols and Defined Terms

“Carbon offset” shall mean an instrument, credit or other certification verifying the reduction of GHG emissions issued by the Climate Action Reserve, the American Carbon Registry, or Verra (previously, the Verified Carbon Standard). This shall include, but is not limited to, an instrument, credit or other certification issued by these registries for GHG reduction activities within the Nevada County region. The Project shall neither purchase offsets from the Clean Development Mechanism (CDM) registry nor purchase offsets generated under CDM protocols. Qualifying carbon offsets presented for compliance with this mitigation measure may be used provided that the evidence required by the “Reporting and Enforcement Standards” below is submitted to the County demonstrating that each registry shall continue its existing practice of requiring the following for the development and approval of protocols or methodologies:

- i) Adherence to established GHG accounting principles set forth in the International Organization for Standardization (ISO) 14064, Part 2 or the World Resources Institute/World Business Council for Sustainable Development (WRI/WBCSD) Greenhouse Gas Protocol for Project Accounting; and
- ii) Oversight of the implementation of protocols and methodologies that define the eligibility of carbon offset projects and set forth standards for the estimation, monitoring and verification of GHG reductions achieved from such projects. The protocols and methodologies shall:

- a. Be developed by the registries through a transparent public and expert stakeholder review process that affords an opportunity for comment and is informed by science;
- b. Incorporate standardized offset crediting parameters that define whether and how much emissions reduction credit a carbon offset project should receive, having identified conservative project baselines and the length of the crediting period and considered potential leakage and quantification uncertainties;
- c. Establish data collection and monitoring procedures, mechanisms to ensure permanency in reductions, and additionality and geographic boundary provisions; and,
- d. Adhere to the principles set forth in the program manuals of each of the aforementioned registries, as such manuals are updated from time to time.

Further, any carbon offset used to reduce the project's GHG emissions shall be a carbon offset that represents the past or forecasted reduction or sequestration of one MT of CO₂e that is "not otherwise required" (CEQA Guidelines Section 15126.4(c)(3)). Each carbon offset used to reduce GHG emissions shall achieve additional, real, permanent, quantifiable, verifiable, and enforceable reductions, which are defined for purposes of this mitigation measure as follows:

- i) "Additional" means that the carbon offset is not otherwise required by law or regulation, and not any other GHG emissions reduction that otherwise would occur.
- ii) "Real" means that the GHG reduction underlying the carbon offset results from a demonstrable action or set of actions, and is quantified under the protocol or methodology using appropriate, accurate, and conservative methodologies that account for all GHG emissions sources and sinks within the boundary of the applicable carbon offset project, uncertainty, and the potential for activity-shifting leakage and market-shifting leakage.
- iii) "Verifiable" means that the GHG reduction underlying the carbon offset is well documented, transparent and set forth in a document prepared by an independent verification body that is accredited through the American National Standards Institute (ANSI).
- iv) "Permanent" means that the GHG reduction underlying the carbon offset is not reversible; or, when GHG reduction may be reversible, that a mechanism is in place to replace any reversed GHG emission reduction.
- v) "Quantifiable" means the ability to accurately measure and calculate the GHG reduction relative to a project baseline in a reliable and replicable manner for all GHG emission sources and sinks included within the boundary of the carbon offset project, while accounting for uncertainty and leakage.
- vi) "Enforceable" means that the implementation of the GHG reduction activity must represent the legally binding commitment of the offset project developer to undertake and carry it out.

The protocols and methodologies of the Climate Action Reserve, the American Carbon Registry, and Verra establish and require carbon offset projects to comply with standards designed to achieve additional, real, permanent, quantifiable, verifiable and enforceable reductions. Additionally, the “Reporting and Enforcement Standards” below ensure that the emissions reductions required by this mitigation measure are enforceable against Rise, as the County has authority to hold Rise accountable and to take appropriate corrective action if the County determines that any carbon offsets do not comply with the requirements set forth in this mitigation measure.

The above definitions are provided as criteria and performance standards associated with the use of carbon offsets. Such criteria and performance standards are intended only to further construe the standards under CEQA for mitigation related to GHG emissions (see, e.g., State CEQA Guidelines Section 15126.4(a), (c)), and are not intended to apply or incorporate the requirements of any other statutory or regulatory scheme not applicable to the project (e.g., the Cap-and-Trade Program).

Reporting and Enforcement Standards

Prior to issuance of requested grading permits, Rise shall submit a report to the County that identifies the quantity of emission reductions required by this mitigation measure, as well as the carbon offsets to be retired to achieve compliance with this measure. For purposes of demonstrating that each offset is additional, real, permanent, quantifiable, verifiable and enforceable, the report shall include: (i) the applicable protocol(s) and methodologies associated with the carbon offsets, (ii) the third-party verification report(s) and statement(s) affiliated with the carbon offset projects, (iii) the unique serial numbers assigned by the registry(ies) to the carbon offsets to be retired, which serves as evidence that the registry has determined the carbon offset project to have been implemented in accordance with the applicable protocol or methodology and ensures that the offsets cannot be further used in any manner.

If the County determines that the project’s carbon offsets do meet the requirements of this mitigation measure, the offsets can be used to reduce project GHG emissions and project permits shall be issued. If the County determines that the project’s carbon offsets do not meet the requirements of this mitigation measure, the offsets cannot be used to reduce project GHG emissions and project permits shall not be issued. Additionally, the County may issue a notice of non-consistency and cease permitting activities in the event that the County determines the carbon offsets provided to reduce project GHG emissions are not compliant with the aforementioned standards. In the event of such an occurrence, project permitting activities shall not resume until Rise has demonstrated that the previously provided carbon offsets are compliant with the standards herein or have provided substitute carbon offsets achieving the standards of this mitigation measure in the quantity needed to achieve the required emission reduction.

Level of Significance After Mitigation

With implementation of MM-GHG-1 and MM-GHG-2, GHG emissions generated by project construction would be reduced and offset below the applied threshold. This impact would be less than significant.

3.5.2 Threshold GHG-2

Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

As described in Section 3.2.3.3, Nevada County adopted an EAP in February 2019, which includes goals to accelerate energy efficiency, renewable energy, and water efficiency projects by residents, businesses, and public agencies. However, this EAP is not a Qualified GHG Emissions Reduction Plan under CEQA per the requirements outlined in the CEQA Guidelines, Section 15183.5(D); therefore, no CEQA document can tier from the County EAP. Although there are no mandatory GHG plans, policies, or regulations that would apply to implementation of the project, a description of the relevant plans with GHG reduction strategies is provided below.

Project Consistency with the Nevada County Energy Action Plan

As discussed in Section 3.2.3.3, the EAP includes goals to reduce the County's projected annual grid-supplied electricity use in 2035 by 51% and annual natural gas use by 30%. Table 24 details the project's consistency with each of the County EAP energy reduction strategies.

Table 24. Project Consistency with Nevada County Energy Action Plan Energy Reduction Measures

Strategy Number	Strategy Description	Project Consistency
<i>Goal 1: Energy Efficiency – Improve Energy Efficiency in Buildings, Facilities, and Nevada County Operations</i>		
Strategy 1.1	Expand outreach and education on existing energy efficiency practices, programs, and financing options for residential and non-residential utility customers.	Nevada County (County) to implement. Not applicable to the project.
Strategy 1.2	Improve compliance with current California Building Energy Efficiency Standards (Title 24, Part 6) by providing informational materials when available.	Consistent. Project would comply with Title 24, Part 6 standards in applicable buildings. County to implement the provision of informational materials.
Strategy 1.3	Continue to increase the energy efficiency of County buildings, facilities, and operations.	County to implement. Not applicable to the project.
<i>Goal 2: Renewable Energy – Expand the Utilization of Renewable Energy and Resilience Measures</i>		
Strategy 2.1	Prepare for the inclusion of renewable energy systems in new construction and large retrofit projects in order to meet California Zero Net Energy Goals by providing informational material when available.	Pertains to solar photovoltaic systems in all residential construction and large retrofit projects. County to implement the provision of informational materials. Not applicable to the project.
Strategy 2.2	Encourage renewable energy projects through education, outreach, and local leadership.	County to implement. Not applicable to the project.
Strategy 2.3	Encourage energy storage and grid optimization infrastructure projects that support local renewable energy systems and community resilience.	Pertains to energy storage and grid optimization infrastructure projects. Not applicable to the project.

Table 24. Project Consistency with Nevada County Energy Action Plan Energy Reduction Measures

Strategy Number	Strategy Description	Project Consistency
<i>Goal 3: Water Energy – Encourage the Efficient and Safe Transportation and Use of Water Resources</i>		
Strategy 3.1	Improve and increase the County’s outreach and education efforts in collaboration with Nevada Irrigation District and other water agencies by providing information on existing and future water efficiency and conservation programs.	Consistent. Project would comply with water efficiency Title 24, Part 11 (CALGreen Code) standards in applicable buildings, including installing toilets, urinals, faucets, and showerheads subject to the CALGreen maximum flow rates. County to implement the provision of informational materials.
Strategy 3.2	Coordinate with Nevada Irrigation District (NID) and other water agencies to participate in proactive leak detection programs in order to reduce water losses.	County and NID to implement. Not applicable to the project.
Strategy 3.3	Continue to improve the efficiency of County Wastewater Treatment operations and encourage and collaborate with Nevada Irrigation District and other water agencies to improve the efficiency of agency water operations.	County to implement. Not applicable to the project.

Source: Nevada County 2019.

Based on the analysis in Table 24 the project would be consistent with the applicable strategies in the County’s EAP.

Project Consistency with the Nevada County Transportation Commission’s RTP

The NCTC’s 2015–2035 RTP is a relevant regional reference document for purposes of evaluating the intersection of land use and transportation patterns, and seeks to reduce air quality and GHG issues associated with future growth by increasing the efficiency of the transportation system and increasing alternative transportation options (NCTC 2018). As described in the 2015–2035 RTP, the mining, logging, and construction industry in Nevada County has resulted in an increase in 390 jobs from 2009 to 2014, and is projected to be the fastest-growing market through 2022, with an anticipated 37.4% growth rate (NCTC 2018). As described under Threshold AQ-1, although the project would increase traffic within the project area due to increased employment, projections within the RTP have identified and accounted for such growth in the mining industry. Therefore, the project would not conflict with the RTP.

Project Consistency with the Scoping Plan

As discussed in Section 3.2.2, State Regulations, the Scoping Plan (approved by CARB in 2008 and updated in 2014 and 2017) provides a framework for actions to reduce California’s GHG emissions, and requires CARB and other state agencies to adopt regulations and other initiatives to reduce GHGs. The Scoping Plan is not directly applicable to specific projects, nor is it intended to be used for project-level evaluations.²⁸ Under the Scoping Plan, however, there are several state regulatory measures aimed at the identification and reduction of GHG emissions. CARB and other state agencies have adopted many of the measures identified in the Scoping Plan. Most of these measures focus on area source

²⁸ The Final Statement of Reasons for the amendments to the CEQA Guidelines reiterates the statement in the Initial Statement of Reasons that “[t]he Scoping Plan may not be appropriate for use in determining the significance of individual projects because it is conceptual at this stage and relies on the future development of regulations to implement the strategies identified in the Scoping Plan” (CNRA 2009a).

emissions (e.g., energy usage, high-GWP GHGs in consumer products) and changes to the vehicle fleet (i.e., hybrid, electric, and more fuel-efficient vehicles) and associated fuels (e.g., LCFS), among others.

The Scoping Plan recommends strategies at the statewide level to meet the goals of AB 32, and establishes an overall framework for the measures that will be adopted to reduce California's GHG emissions. To the extent that these regulations are applicable to the project, the project would comply with all regulations adopted in furtherance of the Scoping Plan to the extent required by law.

Project Consistency with SB 32 and EO S-3-05

The project would not impede the attainment of the GHG reduction goals for 2030 or 2050 identified in EO S-3-05 and SB 32. As discussed in Section 3.2.2, EO S-3-05 establishes the following goals: GHG emissions should be reduced to 2000 levels by 2010, to 1990 levels by 2020, and to 80% below 1990 levels by 2050. SB 32 establishes a statewide GHG emissions reduction target whereby CARB, in adopting rules and regulations to achieve the maximum technologically feasible and cost-effective GHG emissions reductions, shall ensure that statewide GHG emissions are reduced to at least 40% below 1990 levels by December 31, 2030. Although there are no established protocols or thresholds of significance for that future year analysis, CARB forecasts that compliance with the current Scoping Plan puts the state on a trajectory of meeting these long-term GHG goals, although the specific path to compliance is unknown (CARB 2014).

CARB has expressed optimism with regard to both the 2030 and 2050 goals. It states in the First Update to the Climate Change Scoping Plan that "California is on track to meet the near-term 2020 GHG emissions limit and is well positioned to maintain and continue reductions beyond 2020 as required by AB 32" (CARB 2014). With regard to the 2050 target for reducing GHG emissions to 80% below 1990 levels, the First Update states the following (CARB 2014):

This level of reduction is achievable in California. In fact, if California realizes the expected benefits of existing policy goals (such as 12,000 megawatts of renewable distributed generation by 2020, net zero energy homes after 2020, existing building retrofits under AB 758, and others) it could reduce emissions by 2030 to levels squarely in line with those needed in the developed world and to stay on track to reduce emissions to 80% below 1990 levels by 2050. Additional measures, including locally driven measures and those necessary to meet federal air quality standards in 2032, could lead to even greater emission reductions.

In other words, CARB believes that the state is on a trajectory to meet the 2030 and 2050 GHG reduction targets set forth in AB 32, SB 32, and EO S-3-05. This is confirmed in the 2017 Scoping Plan, which states (CARB 2017b):

This Scoping Plan builds upon the successful framework established by the Initial Scoping Plan and First Update, while identifying new, technologically feasible, and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health, including in disadvantaged communities. The Plan includes policies to require direct GHG reductions at some of the State's largest stationary sources and mobile sources. These policies include the use of lower GHG fuels, efficiency regulations, and the Cap-and-Trade Program, which constrains and reduces emissions at covered sources.

In addition, as discussed previously, the project is consistent with the County EAP, the NCTC 2015–2035 RTP, and measures in the Scoping Plan, and would not conflict with the state's trajectory toward future GHG reductions. With

respect to future GHG targets under SB 32 and EO S-3-05, CARB has also made clear its legal interpretation that it has the requisite authority to adopt whatever regulations are necessary, beyond the AB 32 horizon year of 2020, to meet SB 32's 40% reduction target by 2030 and EO S-3-05's 80% reduction target by 2050. This legal interpretation by an expert agency provides evidence that future regulations will be adopted to continue the state on its trajectory toward meeting these future GHG targets. Since the specific path to compliance for the state regarding the long-term goals will likely require development of technology or other changes that are not currently known or available, specific additional mitigation measures for the project would be speculative and cannot be identified at this time.

Based on the above considerations, the project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs, and impacts would be less than significant.

Mitigation Measures

None required.

Level of Significance After Mitigation

Impacts would be less than significant without mitigation.

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APPENDIX A

Criteria Air Pollutant, Greenhouse Gas, and Toxic Air Contaminant Emissions

Unmitigated Total Emissions

Idaho-Maryland Mine Project
Unmitigated Total Emissions

Year 2021 (Construction/Dewatering)	Maximum Daily Emissions (lb/day)						Annual Emissions (tons/year)						Annual (MT/year)			
	ROG	NOx	CO	SOx	PM10	PM2.5	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Offroad Equipment	6.71	53.84	50.83	0.10	2.30	2.15	0.81	6.53	6.64	0.01	0.27	0.26	1,029.94	0.30	0.13	1,077.25
Onroad Vehicles - Offsite	1.34	8.79	10.83	0.05	3.54	1.05	0.16	0.56	1.35	0.00	0.32	0.10	496.35	0.01	0.04	508.67
Onroad Vehicles - Onsite	0.30	1.70	1.20	0.00	0.70	0.18	0.04	0.08	0.11	0.00	0.05	0.01	11.61	0.00	0.00	12.22
Diesel Fuel Tanks - Breathing/Working	0.12	--	--	--	--	--	0.02	--	--	--	--	--	--	--	--	--
Diesel Generator Testing ¹	0.47	9.37	24.35	0.13	0.09	0.09	0.01	0.23	0.61	0.00	0.00	0.00	301.76	0.01	0.00	303.44
PG&E-Supplied Electricity	--	--	--	--	--	--	--	--	--	--	--	--	1,527.86	0.25	0.03	1,542.97
Fugitive Dust - Unpaved Roads/ Disturbed Areas/ Material Handling/ Wind Erosion	--	--	--	--	8.30	2.95	--	--	--	--	1.02	0.02	--	--	--	--
Architectural Coatings	2.64	--	--	--	--	--	0.09	--	--	--	--	--	--	--	--	--
Asphalt Offgassing	0.38	--	--	--	--	--	0.01	--	--	--	--	--	--	--	--	--
NID-Supplied Water Conveyance	--	--	--	--	--	--	--	--	--	--	--	--	3.56	0.00	0.00	3.60
TOTALS	11.96	73.69	87.21	0.28	14.93	6.43	1.15	7.40	8.71	0.02	1.66	0.39	3,367.53	0.57	0.21	3,444.55

Year 2022 - Year 2026 (Mining, Brunswick Site Operations, Fill Placement at Centennial)	Maximum Daily Emissions (lb/day)						Annual Emissions (tons/year)						Annual (MT/year)			
	ROG	NOx	CO	SOx	PM10	PM2.5	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Offroad Equipment	0.65	6.67	25.51	0.05	0.06	0.06	0.12	1.22	4.66	0.01	0.01	0.01	721.54	0.21	0.09	754.68
Onroad Vehicles - Offsite	1.27	21.65	4.22	0.05	7.20	2.08	0.17	1.29	0.41	0.01	0.87	0.24	900.61	0.02	0.07	922.80
Onroad Vehicles - Onsite	0.69	3.57	2.81	0.00	1.86	0.47	0.11	0.41	0.39	0.00	0.35	0.09	71.40	0.01	0.01	75.16
Logging/Chipping OffRoad	1.88	12.80	10.41	0.04	0.41	0.40	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.00	0.00	1.10
Logging/Chipping OnRoad - Offsite	0.58	27.89	3.15	0.02	3.60	1.19	0.00	0.01	0.00	0.00	0.00	0.00	4.52	0.00	0.00	4.73
Logging/Chipping OnRoad - Onsite	0.03	0.32	0.21	0.00	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02
Underground Blasting/Mining	0.00	15.85	62.40	1.86	1.61	0.53	0.00	2.89	11.37	0.34	0.29	0.10	68.79	0.00	0.00	69.05
Ore Processing	--	--	--	--	0.29	0.21	--	--	--	--	0.05	0.04	--	--	--	--
Reagent Offgassing	0.00	--	--	--	--	--	0.00	--	--	--	--	--	--	--	--	--
Fuel Tanks - Breathing/Working	0.12	--	--	--	--	--	0.02	--	--	--	--	--	--	--	--	--
Diesel Generator Testing ¹	0.94	18.73	48.70	0.26	0.19	0.19	0.02	0.47	1.22	0.01	0.00	0.00	603.53	0.02	0.01	606.88
PG&E-Supplied Electricity	--	--	--	--	--	--	--	--	--	--	--	--	4,590.43	0.74	0.09	4,635.82
Fugitive Dust from Fill Placement Onsite - Unpaved Roads/ Disturbed Areas/ Material Handling/ Wind Erosion	--	--	--	--	39.05	5.82	--	--	--	--	7.13	1.06	--	--	--	--
Architectural Coatings	0.26	--	--	--	--	--	0.01	--	--	--	--	--	--	--	--	--
Consumer Products	2.65	--	--	--	--	--	0.48	--	--	--	--	--	--	--	--	--
Tree Removal - Carbon Loss ^c	--	--	--	--	--	--	--	--	--	--	--	--	33.30	--	--	33.30
NID-Supplied Water Conveyance	--	--	--	--	--	--	--	--	--	--	--	--	5.48	0.00	0.00	5.53
Wastewater Septic Field	--	--	--	--	--	--	--	--	--	--	--	--	--	0.33	0.00	8.52
Solid Waste	--	--	--	--	--	--	--	--	--	--	--	--	41.55	2.46	--	102.94
TOTALS	9.07	107.49	157.41	2.27	54.40	10.97	0.93	6.29	18.05	0.36	8.71	1.54	7,042.24	3.78	0.28	7,220.55

Year 2027 - Year 2032 (Mining, Brunswick Site Operations, Fill Placement at Brunswick)	Maximum Daily Emissions (lb/day)						Annual Emissions (tons/year)						Annual (MT/year)			
	ROG	NOx	CO	SOx	PM10	PM2.5	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Offroad Equipment	0.65	6.67	25.51	0.05	0.06	0.06	0.12	1.22	4.66	0.01	0.01	0.01	721.55	0.21	0.09	754.27
Onroad Vehicles - Offsite	0.67	13.15	2.29	0.09	6.19	1.76	0.10	0.64	0.23	0.01	0.78	0.21	680.59	0.01	0.05	694.55
Onroad Vehicles - Onsite	0.60	4.77	3.70	0.01	2.75	0.69	0.09	0.51	0.45	0.00	0.41	0.10	82.35	0.00	0.01	86.51
Logging/Chipping OffRoad	1.88	12.80	10.41	0.04	0.41	0.40	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.00	0.00	1.10
Logging/Chipping OnRoad - Offsite	0.58	27.89	3.15	0.02	3.60	1.19	0.00	0.01	0.00	0.00	0.00	0.00	4.52	0.00	0.00	4.73
Logging/Chipping OnRoad - Onsite	0.03	0.32	0.21	0.00	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02
Underground Blasting/Mining	0.00	15.85	62.40	1.86	1.61	0.53	0.00	2.89	11.37	0.34	0.29	0.10	68.79	0.00	0.00	69.05
Ore Processing	--	--	--	--	0.29	0.21	--	--	--	--	0.05	0.04	--	--	--	--
Reagent Offgassing	0.00	--	--	--	--	--	0.00	--	--	--	--	--	--	--	--	--
Fuel Tanks - Breathing/Working	0.12	--	--	--	--	--	0.02	--	--	--	--	--	--	--	--	--
Diesel Generator Testing ¹	0.94	18.73	48.70	0.26	0.19	0.19	0.02	0.47	1.22	0.01	0.00	0.00	603.53	0.02	0.01	606.88
PG&E-Supplied Electricity	--	--	--	--	--	--	--	--	--	--	--	--	4,590.43	0.74	0.09	4,635.82
Fugitive Dust from Fill Placement Onsite - Unpaved Roads/ Disturbed Areas/ Material Handling/ Wind Erosion	--	--	--	--	39.05	5.82	--	--	--	--	7.13	1.06	--	--	--	--
Architectural Coatings	0.26	--	--	--	--	--	0.01	--	--	--	--	--	--	--	--	--
Consumer Products	2.65	--	--	--	--	--	0.48	--	--	--	--	--	--	--	--	--
Tree Removal - Carbon Loss ²	--	--	--	--	--	--	--	--	--	--	--	--	33.30	--	--	33.30
NID-Supplied Water Conveyance	--	--	--	--	--	--	--	--	--	--	--	--	1.92	0.00	0.00	1.94
Wastewater Septic Field	--	--	--	--	--	--	--	--	--	--	--	--	--	0.33	0.00	8.52
Solid Waste	--	--	--	--	--	--	--	--	--	--	--	--	41.55	2.46	--	102.94
TOTALS	8.38	100.20	156.37	2.31	54.28	10.86	0.84	5.75	17.93	0.36	8.68	1.53	6,829.62	3.77	0.25	6,999.63

Year 2033 - Year 2102 (Mining, Brunswick Site Operations, Fill Placement at Off-Site Location)	Maximum Daily Emissions (lb/day)						Annual Emissions (tons/year)						Annual (MT/year)			
	ROG	NOx	CO	SOx	PM10	PM2.5	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Offroad Equipment	0.37	5.28	15.39	0.03	0.03	0.03	0.07	0.96	2.81	0.00	0.01	0.01	395.26	0.05	0.02	402.44
Onroad Vehicles - Offsite	1.13	74.82	8.88	0.35	17.31	5.24	0.12	6.30	0.82	0.03	1.80	0.53	2,998.79	0.01	0.42	3,123.46
Onroad Vehicles - Onsite	0.40	2.99	2.48	0.01	2.64	0.66	0.06	0.33	0.32	0.00	0.21	0.05	54.16	0.00	0.01	56.89
Underground Blasting/Mining	0.00	15.85	62.40	1.86	1.61	0.53	0.00	2.89	11.37	0.34	0.29	0.10	68.79	0.00	0.00	69.05
Ore Processing	--	--	--	--	0.29	0.21	--	--	--	--	0.05	0.04	--	--	--	--
Reagent Offgassing	0.00	--	--	--	--	--	0.00	--	--	--	--	--	--	--	--	--
Fuel Tanks - Breathing/Working	0.12	--	--	--	--	--	0.02	--	--	--	--	--	--	--	--	--
Diesel Generator Testing ¹	0.94	18.73	48.70	0.26	0.19	0.19	0.02	0.47	1.22	0.01	0.00	0.00	603.53	0.02	0.01	606.88
PG&E-Supplied Electricity	--	--	--	--	--	--	--	--	--	--	--	--	4,590.43	0.74	0.09	4,635.82
Architectural Coatings	0.26	--	--	--	--	--	0.01	--	--	--	--	--	--	--	--	--
Consumer Products	2.65	--	--	--	--	--	0.48	--	--	--	--	--	--	--	--	--
Tree Removal - Carbon Loss ²	--	--	--	--	--	--	--	--	--	--	--	--	33.30	--	--	33.30
NID-Supplied Water Conveyance	--	--	--	--	--	--	--	--	--	--	--	--	1.92	0.00	0.00	1.94
Wastewater Septic Field	--	--	--	--	--	--	--	--	--	--	--	--	--	0.33	0.00	8.52
Solid Waste	--	--	--	--	--	--	--	--	--	--	--	--	41.55	2.46	--	102.94
TOTALS	5.87	117.68	137.86	2.50	22.07	6.85	0.79	10.96	16.55	0.38	2.36	0.73	8,787.73	3.61	0.55	9,041.23

Year 2103 (Reclamation)	Maximum Daily Emissions (lb/day)						Annual Emissions (tons/year)						Annual (MT/year)			
	ROG	NOx	CO	SOx	PM10	PM2.5	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Offroad Equipment	0.08	0.32	3.91	0.01	0.01	0.01	0.00	0.01	0.15	0.00	0.00	0.00	25.86	0.00	0.00	26.02
Onroad Vehicles - Offsite	0.19	0.36	0.90	0.01	0.30	0.09	0.01	0.01	0.03	0.00	0.01	0.00	19.61	0.00	0.00	20.07
Fuel Tanks - Breathing/Working	0.12	--	--	--	--	--	0.02	--	--	--	--	--	--	--	--	--
TOTALS	0.39	0.68	4.81	0.01	0.31	0.10	0.03	0.03	0.19	0.00	0.01	0.00	45.47	0.00	0.00	46.09

Notes:

- 1. For maximum daily emissions, all diesel generators were conservatively assumed to operate for 2 hours on the same day, 1 time per month. For annual emissions, each diesel generator assumed to operate up to a maximum of 100 hours.
- 2. Loss of sequestered carbon associated with tree removal on the Centennial and Brunswick Sites was amortized based on the 80-year life of the project.

Mitigated Total Emissions

Idaho-Maryland Mine Project
Mitigated Total Emissions¹

Year 2021 (Construction/Dewatering)	Maximum Daily Emissions (lb/day)							Annual Emissions (tons/year)							Annual (MT/year)			
	ROG	NOx	CO	SOx	PM10	PM2.5		ROG	NOx	CO	SOx	PM10	PM2.5		CO2	CH4	N2O	CO2e
Offroad Equipment	3.25	15.97	54.08	0.10	0.60	0.60		0.41	2.10	7.17	0.01	0.08	0.07		1,029.94	0.30	0.13	1,077.25
Onroad Vehicles - Offsite	1.34	8.79	10.83	0.05	3.54	1.05		0.16	0.56	1.35	0.00	0.32	0.10		496.35	0.01	0.04	508.67
Onroad Vehicles - Onsite	0.30	1.70	1.20	0.00	0.70	0.18		0.04	0.08	0.11	0.00	0.05	0.01		11.61	0.00	0.00	12.22
Diesel Fuel Tanks - Breathing/Working	0.12	--	--	--	--	--		0.02	--	--	--	--	--		--	--	--	--
Diesel Generator Testing ²	0.47	9.37	24.35	0.13	0.09	0.09		0.01	0.23	0.61	0.00	0.00	0.00		301.76	0.01	0.00	303.44
PG&E-Supplied Electricity	--	--	--	--	--	--		--	--	--	--	--	--		1,527.86	0.25	0.03	1,542.97
Fugitive Dust - Unpaved Roads/ Disturbed Areas/ Material Handling/ Wind Erosion	--	--	--	--	8.30	2.95		--	--	--	--	1.02	0.02		--	--	--	--
Architectural Coatings	2.64	--	--	--	--	--		0.09	--	--	--	--	--		--	--	--	--
Asphalt Offgassing	0.38	--	--	--	--	--		0.01	--	--	--	--	--		--	--	--	--
NID-Supplied Water Conveyance	--	--	--	--	--	--		--	--	--	--	--	--		3.56	0.00	0.00	3.60
TOTALS	8.50	35.82	90.46	0.28	13.23	4.87		0.75	2.97	9.24	0.02	1.47	0.21		3,367.53	0.57	0.21	3,444.55

Year 2022 - Year 2026 (Mining, Brunswick Site Operations, Fill Placement at Centennial)	Maximum Daily Emissions (lb/day)							Annual Emissions (tons/year)							Annual (MT/year)			
	ROG	NOx	CO	SOx	PM10	PM2.5		ROG	NOx	CO	SOx	PM10	PM2.5		CO2	CH4	N2O	CO2e
Offroad Equipment	0.65	6.67	25.51	0.05	0.06	0.06		0.12	1.22	4.66	0.01	0.01	0.01		721.54	0.21	0.09	754.68
Onroad Vehicles - Offsite	1.27	21.65	4.22	0.05	7.20	2.08		0.17	1.29	0.41	0.01	0.87	0.24		900.61	0.02	0.07	922.80
Onroad Vehicles - Onsite	0.69	3.57	2.81	0.00	1.86	0.47		0.11	0.41	0.39	0.00	0.35	0.09		71.40	0.01	0.01	75.16
Logging/Chipping OffRoad	1.88	12.80	10.41	0.04	0.41	0.40		0.00	0.00	0.00	0.00	0.00	0.00		1.07	0.00	0.00	1.10
Logging/Chipping OnRoad - Offsite	0.58	27.89	3.15	0.02	3.60	1.19		0.00	0.01	0.00	0.00	0.00	0.00		4.52	0.00	0.00	4.73
Logging/Chipping OnRoad - Onsite	0.03	0.32	0.21	0.00	0.13	0.03		0.00	0.00	0.00	0.00	0.00	0.00		1.07	0.00	0.00	1.10
Underground Blasting/Mining	0.00	15.85	62.40	1.86	1.61	0.53		0.00	2.89	11.37	0.34	0.29	0.10		68.79	0.00	0.00	69.05
Ore Processing	--	--	--	--	0.29	0.21		--	--	--	--	0.05	0.04		--	--	--	--
Reagent Offgassing	0.00	--	--	--	--	--		0.00	--	--	--	--	--		--	--	--	--
Fuel Tanks - Breathing/Working	0.12	--	--	--	--	--		0.02	--	--	--	--	--		--	--	--	--
Diesel Generator Testing ²	0.94	18.73	48.70	0.26	0.19	0.19		0.02	0.47	1.22	0.01	0.00	0.00		603.53	0.02	0.01	606.88
PG&E-Supplied Electricity	--	--	--	--	--	--		--	--	--	--	--	--		4,590.43	0.74	0.09	4,635.82
Fugitive Dust from Fill Placement Onsite - Unpaved Roads/ Disturbed Areas/ Material Handling/ Wind Erosion	--	--	--	--	39.05	5.82		--	--	--	--	7.13	1.06		--	--	--	--
Architectural Coatings	0.26	--	--	--	--	--		0.01	--	--	--	--	--		--	--	--	--
Consumer Products	2.65	--	--	--	--	--		0.48	--	--	--	--	--		--	--	--	--
Tree Removal - Carbon Loss ³	--	--	--	--	--	--		--	--	--	--	--	--		33.30	--	--	33.30
NID-Supplied Water Conveyance	--	--	--	--	--	--		--	--	--	--	--	--		5.48	0.00	0.00	5.53
Wastewater Septic Field	--	--	--	--	--	--		--	--	--	--	--	--		--	0.33	0.00	8.52
Solid Waste	--	--	--	--	--	--		--	--	--	--	--	--		41.55	2.46	--	102.94
TOTALS	9.07	107.49	157.41	2.27	54.40	10.97		0.93	6.29	18.05	0.36	8.71	1.54		7,043.29	3.78	0.28	7,221.64

Year 2027 - Year 2032 (Mining, Brunswick Site Operations, Fill Placement at Brunswick)	Maximum Daily Emissions (lb/day)						Annual Emissions (tons/year)						Annual (MT/year)			
	ROG	NOx	CO	SOx	PM10	PM2.5	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Offroad Equipment	0.65	6.67	25.51	0.05	0.06	0.06	0.12	1.22	4.66	0.01	0.01	0.01	721.55	0.21	0.09	754.27
Onroad Vehicles - Offsite	0.67	13.15	2.29	0.09	6.19	1.76	0.10	0.64	0.23	0.01	0.78	0.21	680.59	0.01	0.05	694.55
Onroad Vehicles - Onsite	0.60	4.77	3.70	0.01	2.75	0.69	0.09	0.51	0.45	0.00	0.41	0.10	82.35	0.00	0.01	86.51
Logging/Chipping OffRoad	1.88	12.80	10.41	0.04	0.41	0.40	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.00	0.00	1.10
Logging/Chipping OnRoad - Offsite	0.58	27.89	3.15	0.02	3.60	1.19	0.00	0.01	0.00	0.00	0.00	0.00	4.52	0.00	0.00	4.73
Logging/Chipping OnRoad - Onsite	0.03	0.32	0.21	0.00	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.00	0.00	1.10
Underground Blasting/Mining	0.00	15.85	62.40	1.86	1.61	0.53	0.00	2.89	11.37	0.34	0.29	0.10	68.79	0.00	0.00	69.05
Ore Processing	--	--	--	--	0.29	0.21	--	--	--	--	0.05	0.04	--	--	--	--
Reagent Offgassing	0.00	--	--	--	--	--	0.00	--	--	--	--	--	--	--	--	--
Fuel Tanks - Breathing/Working	0.12	--	--	--	--	--	0.02	--	--	--	--	--	--	--	--	--
Diesel Generator Testing ²	0.94	18.73	48.70	0.26	0.19	0.19	0.02	0.47	1.22	0.01	0.00	0.00	603.53	0.02	0.01	606.88
PG&E-Supplied Electricity	--	--	--	--	--	--	--	--	--	--	--	--	4,590.43	0.74	0.09	4,635.82
Fugitive Dust from Fill Placement Onsite - Unpaved Roads/ Disturbed Areas/ Material Handling/ Wind Erosion	--	--	--	--	39.05	5.82	--	--	--	--	7.13	1.06	--	--	--	--
Architectural Coatings	0.26	--	--	--	--	--	0.01	--	--	--	--	--	--	--	--	--
Consumer Products	2.65	--	--	--	--	--	0.48	--	--	--	--	--	--	--	--	--
Tree Removal - Carbon Loss ³	--	--	--	--	--	--	--	--	--	--	--	--	33.30	--	--	33.30
NID-Supplied Water Conveyance	--	--	--	--	--	--	--	--	--	--	--	--	1.92	0.00	0.00	1.94
Wastewater Septic Field	--	--	--	--	--	--	--	--	--	--	--	--	--	0.33	0.00	8.52
Solid Waste	--	--	--	--	--	--	--	--	--	--	--	--	41.55	2.46	--	102.94
TOTALS	8.38	100.20	156.37	2.31	54.28	10.86	0.84	5.75	17.93	0.36	8.68	1.53	6,830.67	3.77	0.25	7,000.71

Year 2033 - Year 2102 (Mining, Brunswick Site Operations, Fill Placement at Off-Site Location)	Maximum Daily Emissions (lb/day)						Annual Emissions (tons/year)						Annual (MT/year)			
	ROG	NOx	CO	SOx	PM10	PM2.5	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Offroad Equipment	0.37	5.28	15.39	0.03	0.03	0.03	0.07	0.96	2.81	0.00	0.01	0.01	395.26	0.05	0.02	402.44
Onroad Vehicles - Offsite	1.13	74.82	8.88	0.35	17.31	5.24	0.12	6.30	0.82	0.03	1.80	0.53	2,998.79	0.01	0.42	3,123.46
Onroad Vehicles - Onsite	0.40	2.99	2.48	0.01	2.64	0.66	0.06	0.33	0.32	0.00	0.21	0.05	54.16	0.00	0.01	56.89
Underground Blasting/Mining	0.00	15.85	62.40	1.86	1.61	0.53	0.00	2.89	11.37	0.34	0.29	0.10	68.79	0.00	0.00	69.05
Ore Processing	--	--	--	--	0.29	0.21	--	--	--	--	0.05	0.04	--	--	--	--
Reagent Offgassing	0.00	--	--	--	--	--	0.00	--	--	--	--	--	--	--	--	--
Fuel Tanks - Breathing/Working	0.12	--	--	--	--	--	0.02	--	--	--	--	--	--	--	--	--
Diesel Generator Testing ²	0.94	18.73	48.70	0.26	0.19	0.19	0.02	0.47	1.22	0.01	0.00	0.00	603.53	0.02	0.01	606.88
PG&E-Supplied Electricity	--	--	--	--	--	--	--	--	--	--	--	--	4,590.43	0.74	0.09	4,635.82
Architectural Coatings	0.26	--	--	--	--	--	0.01	--	--	--	--	--	--	--	--	--
Consumer Products	2.65	--	--	--	--	--	0.48	--	--	--	--	--	--	--	--	--
Tree Removal - Carbon Loss ³	--	--	--	--	--	--	--	--	--	--	--	--	33.30	--	--	33.30
NID-Supplied Water Conveyance	--	--	--	--	--	--	--	--	--	--	--	--	1.92	0.00	0.00	1.94
Wastewater Septic Field	--	--	--	--	--	--	--	--	--	--	--	--	--	0.33	0.00	8.52
Solid Waste	--	--	--	--	--	--	--	--	--	--	--	--	41.55	2.46	--	102.94
TOTALS	5.87	117.68	137.86	2.50	22.07	6.85	0.79	10.96	16.55	0.38	2.36	0.73	8,787.73	3.61	0.55	9,041.23

Year 2103 (Reclamation)	Maximum Daily Emissions (lb/day)						Annual Emissions (tons/year)						Annual (MT/year)			
	ROG	NOx	CO	SOx	PM10	PM2.5	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Offroad Equipment	0.08	0.32	3.91	0.01	0.01	0.01	0.00	0.01	0.15	0.00	0.00	0.00	25.86	0.00	0.00	26.02
Onroad Vehicles - Offsite	0.19	0.36	0.90	0.01	0.30	0.09	0.01	0.01	0.03	0.00	0.01	0.00	19.61	0.00	0.00	20.07
Fuel Tanks - Breathing/Working	0.12	--	--	--	--	--	0.02	--	--	--	--	--	--	--	--	--
TOTALS	0.39	0.68	4.81	0.01	0.31	0.10	0.03	0.03	0.19	0.00	0.01	0.00	45.47	0.00	0.00	46.09

Notes:

- 1. Mitigation includes requiring all equipment >= 50 hp on-site to be Tier 4F during construction (Year 2021)
- 2. For maximum daily emissions, all diesel generators were conservatively assumed to operate for 2 hours on the same day, 1 time per month. For annual emissions, each diesel generator assumed to operate up to a maximum of 100 hours.
- 3. Loss of sequestered carbon associated with tree removal on the Centennial and Brunswick Sites was amortized based on the 80-year life of the project.

Off-Road Equipment – Unmitigated

Idaho-Maryland Mine Project
Equipment Emissions Summary

Construction		Daily Emissions (lb/day)								Monthly Emissions (tons/month)											
		ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
Year 2021																					
	Jan-21	4.09	32.77	28.49	0.05	1.37	1.28	4904.20	1.38	0.62		0.05	0.42	0.37	0.00	0.02	0.02	63.26	0.02	0.01	66.09
	Feb-21	6.71	53.84	47.41	0.10	2.30	2.15	8925.30	2.55	1.14		0.09	0.69	0.61	0.00	0.03	0.03	115.14	0.03	0.01	120.35
	Mar-21	6.71	53.84	47.41	0.10	2.30	2.15	8925.30	2.55	1.14		0.09	0.69	0.61	0.00	0.03	0.03	115.14	0.03	0.01	120.35
	Apr-21	6.21	49.03	43.79	0.09	2.06	1.93	8313.32	2.35	1.05		0.08	0.63	0.56	0.00	0.03	0.02	107.24	0.03	0.01	112.06
	May-21	6.21	49.03	43.79	0.09	2.06	1.93	8313.32	2.35	1.05		0.08	0.63	0.56	0.00	0.03	0.02	107.24	0.03	0.01	112.06
	Jun-21	4.09	32.77	28.49	0.05	1.37	1.28	4904.20	1.38	0.62		0.05	0.42	0.37	0.00	0.02	0.02	63.26	0.02	0.01	66.09
	Jul-21	4.70	38.96	32.86	0.06	1.66	1.55	5698.93	1.64	0.74		0.06	0.50	0.42	0.00	0.02	0.02	73.52	0.02	0.01	76.87
	Aug-21	4.70	38.96	32.86	0.06	1.66	1.55	5698.93	1.64	0.74		0.06	0.50	0.42	0.00	0.02	0.02	73.52	0.02	0.01	76.87
	Sep-21	5.02	41.12	50.83	0.08	1.69	1.58	7989.55	2.38	1.07		0.07	0.54	0.69	0.00	0.02	0.02	107.99	0.03	0.01	113.11
	Oct-21	4.40	34.93	46.46	0.08	1.40	1.32	7194.83	2.12	0.95		0.06	0.46	0.64	0.00	0.02	0.02	97.74	0.03	0.01	102.33
	Nov-21	4.90	39.75	50.08	0.08	1.65	1.54	7806.82	2.32	1.04		0.06	0.52	0.68	0.00	0.02	0.02	105.63	0.03	0.01	110.63
	Dec-21	4.90	39.75	50.08	0.08	1.65	1.54	7806.82	2.32	1.04		0.06	0.52	0.68	0.00	0.02	0.02	105.63	0.03	0.01	110.63

SUMMARY - MAXIMUM DAILY	6.71	53.84	50.83	0.10	2.30	2.15	8,925.30	2.55	1.14											
TOTAL - TONS										0.81	6.53	6.64	0.01	0.27	0.26	1,135.31	0.33	0.15	1,187.46	
TOTAL - METRIC TONS																1,029.94	0.30	0.13	1,077.25	

Operations	Daily Emissions (lb/day)										Annual Emissions (tons/year)									
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O		ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Year 2022 - Year 2026																				
Mining, Brunswick Site, Fill Placement at Centennial	0.65	6.67	25.51	0.05	0.06	0.06	4,358.13	1.26	0.57		0.12	1.22	4.66	0.01	0.01	0.01	795.36	0.23	0.10	831.90
Year 2027 -Year 2032																				
Mining, Brunswick Site, Fill Placement at Brunswick	0.65	6.67	25.51	0.05	0.06	0.06	4,358.22	1.25	0.56		0.12	1.22	4.66	0.01	0.01	0.01	795.37	0.23	0.10	831.44
Year 2033 - 2102																				
Mining, Brunswick Site, Fill Placement Off-Site	0.37	5.28	15.39	0.03	0.03	0.03	2,387.39	0.27	0.12		0.07	0.96	2.81	0.00	0.01	0.01	435.70	0.05	0.02	443.61
Year 2103																				
Reclamation	0.08	0.32	3.91	0.01	0.01	0.01	736.61	0.03	0.01		0.00	0.01	0.15	0.00	0.00	0.00	28.51	0.00	0.00	28.69

SUMMARY - MAXIMUM DAILY	0.65	6.67	25.51	0.05	0.06	0.06	4,358.22	1.26	0.57											
MAXIMUM ANNUAL - TONS										0.12	1.22	4.66	0.01	0.01	0.01	795.37	0.23	0.10	831.90	
MAXIMUM ANNUAL - METRIC TONS																721.55	0.21	0.09	754.68	

Idaho-Maryland Mine Project
Off-Road Equipment Emission Factors

Project Phase					HP -	Load	Emission Factors (g-HP/hr)									Hourly Emission Rates (lb/hr)								
	Equipment - Project-Specific Name	Equipment - OFFROAD Category	Year	HP	Bin Max	Factor	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
Year 2021	Construction																							
Construction - Foundation and Concrete	Walk behind Compactor	Rollers	2021	10	15	0.38	0.847	4.351	4.597	0.005	0.294	0.270	525.791	0.170	0.076	0.007	0.035	0.039	0.000	0.002	0.002	4.405	0.001	0.001
Construction - Foundation and Concrete	Concrete Saw	Concrete/Industrial Saws	2021	81	120	0.38	0.369	2.913	3.523	0.006	0.166	0.166	568.299	0.033	0.015	0.025	0.187	0.239	0.000	0.010	0.010	38.562	0.002	0.001
Construction - Grading and Paving	Dozer	Rubber Tired Dozers	2021	305	500	0.43	0.492	5.081	4.041	0.005	0.232	0.214	478.987	0.155	0.069	0.142	1.393	1.168	0.001	0.057	0.053	138.485	0.045	0.020
Construction - Grading and Paving	Grader	Graders	2021	185	250	0.41	0.335	4.381	1.307	0.005	0.139	0.128	474.539	0.153	0.069	0.056	0.695	0.219	0.001	0.020	0.018	79.348	0.026	0.012
Construction - Grading and Paving	Excavator	Excavators	2021	525	750	0.38	0.165	1.619	1.150	0.005	0.056	0.052	469.547	0.152	0.068	0.073	0.675	0.506	0.002	0.021	0.019	206.506	0.067	0.030
Construction - Grading and Paving	Front-end loader	Rubber Tired Loaders	2021	318	500	0.36	0.264	2.610	1.529	0.005	0.097	0.090	467.928	0.151	0.068	0.067	0.625	0.386	0.001	0.021	0.019	118.091	0.038	0.017
Construction - Grading and Paving	Roller/compactor	Rollers	2021	80	120	0.38	0.353	3.589	3.507	0.005	0.219	0.202	473.901	0.153	0.069	0.024	0.228	0.235	0.000	0.013	0.012	31.759	0.010	0.005
Construction - Grading and Paving	Paving Equipment	Paving Equipment	2021	132	175	0.36	0.229	2.315	3.032	0.005	0.114	0.105	470.649	0.152	0.068	0.024	0.230	0.318	0.001	0.010	0.009	49.304	0.016	0.007
Construction - Building	Skid steer / forklift	Skid Steer Loaders	2021	20	25	0.37	0.409	3.573	3.732	0.005	0.126	0.116	527.450	0.171	0.076	0.007	0.055	0.061	0.000	0.002	0.002	8.604	0.003	0.001
Construction - Building	Manlift	Aerial Lifts	2021	20	25	0.31	0.165	2.922	3.114	0.005	0.027	0.024	525.074	0.170	0.076	0.002	0.038	0.043	0.000	0.000	0.000	7.177	0.002	0.001
Construction - Building	Portable generator / welder	Welders	2021	30	50	0.7	0.829	4.133	4.708	0.007	0.203	0.203	568.299	0.074	0.033	0.038	0.181	0.218	0.000	0.008	0.008	26.309	0.003	0.002
Construction - Building	Forklift	Forklifts	2021	100	120	0.4	0.412	3.756	3.720	0.005	0.267	0.245	471.528	0.153	0.068	0.036	0.314	0.328	0.000	0.020	0.018	41.579	0.013	0.006
Construction - Building	Crane	Cranes	2021	231	250	0.29	0.349	4.104	1.678	0.005	0.167	0.153	472.906	0.153	0.069	0.052	0.575	0.248	0.001	0.021	0.019	69.838	0.023	0.010
Construction - Ironworkers	Forklift	Forklifts	2021	100	120	0.4	0.412	3.756	3.720	0.005	0.267	0.245	471.528	0.153	0.068	0.036	0.314	0.328	0.000	0.020	0.018	41.579	0.013	0.006
Construction - Ironworkers	Crane	Cranes	2021	231	250	0.29	0.349	4.104	1.678	0.005	0.167	0.153	472.906	0.153	0.069	0.052	0.575	0.248	0.001	0.021	0.019	69.838	0.023	0.010
Construction - Electrical and Mechanical	Skid steer / forklift	Skid Steer Loaders	2021	20	25	0.37	0.409	3.573	3.732	0.005	0.126	0.116	527.450	0.171	0.076	0.007	0.055	0.061	0.000	0.002	0.002	8.604	0.003	0.001
Construction - Electrical and Mechanical	Manlift	Aerial Lifts	2021	20	25	0.31	0.165	2.922	3.114	0.005	0.027	0.024	525.074	0.170	0.076	0.002	0.038	0.043	0.000	0.000	0.000	7.177	0.002	0.001
Construction - Electrical and Mechanical	Portable generator / welder	Welders	2021	30	50	0.7	0.829	4.133	4.708	0.007	0.203	0.203	568.299	0.074	0.033	0.038	0.181	0.218	0.000	0.008	0.008	26.309	0.003	0.002
Construction - Electrical and Mechanical	Forklift	Forklifts	2021	100	120	0.4	0.412	3.756	3.720	0.005	0.267	0.245	471.528	0.153	0.068	0.036	0.314	0.328	0.000	0.020	0.018	41.579	0.013	0.006
Construction - Electrical and Mechanical	Crane	Cranes	2021	231	250	0.29	0.349	4.104	1.678	0.005	0.167	0.153	472.906	0.153	0.069	0.052	0.575	0.248	0.001	0.021	0.019	69.838	0.023	0.010
Construction - Potable Water Line	Portable generator / welder	Welders	2021	30	50	0.7	0.829	4.133	4.708	0.007	0.203	0.203	568.299	0.074	0.033	0.038	0.181	0.218	0.000	0.008	0.008	26.309	0.003	0.002
Construction - Potable Water Line	Forklift	Forklifts	2021	100	120	0.4	0.412	3.756	3.720	0.005	0.267	0.245	471.528	0.153	0.068	0.036	0.314	0.328	0.000	0.020	0.018	41.579	0.013	0.006
Construction - Potable Water Line	Excavator	Excavators	2021	525	750	0.38	0.165	1.619	1.150	0.005	0.056	0.052	469.547	0.152	0.068	0.073	0.675	0.506	0.002	0.021	0.019	206.506	0.067	0.030
Construction - Potable Water Line	Concrete Saw	Concrete/Industrial Saws	2021	81	120	0.38	0.369	2.913	3.523	0.006	0.166	0.166	568.299	0.033	0.015	0.025	0.187	0.239	0.000	0.010	0.010	38.562	0.002	0.001
Construction - Potable Water Line	Front-end loader	Rubber Tired Loaders	2021	318	500	0.36	0.264	2.610	1.529	0.005	0.097	0.090	467.928	0.151	0.068	0.067	0.625	0.386	0.001	0.021	0.019	118.091	0.038	0.017
Construction - Potable Water Line	Rollor compactor	Rollers	2021	80	120	0.38	0.353	3.589	3.507	0.005	0.219	0.202	473.901	0.153	0.069	0.024	0.228	0.235	0.000	0.013	0.012	31.759	0.010	0.005
Construction - Potable Water Line	Paving Equipment	Paving Equipment	2021	132	175	0.36	0.229	2.315	3.032	0.005	0.114	0.105	470.649	0.152	0.068	0.024	0.230	0.318	0.001	0.010	0.009	49.304	0.016	0.007
Construction - Transmission Line Extension	Forklift	Forklifts	2021	100	120	0.40	0.412	3.756	3.720	0.005	0.267	0.245	471.528	0.153	0.068	0.036	0.314	0.328	0.000	0.020	0.018	41.579	0.013	0.006
Construction - Transmission Line Extension	Manlift	Aerial Lifts	2021	20	25	0.31	0.165	2.922	3.114	0.005	0.027	0.024	525.074	0.170	0.076	0.002	0.038	0.043	0.000	0.000	0.000	7.177	0.002	0.001
Construction - Transmission Line Extension	Crane	Cranes	2021	231	250	0.29	0.349	4.104	1.678	0.005	0.167	0.153	472.906	0.153	0.069	0.052	0.575	0.248	0.001	0.021	0.019	69.838	0.023	0.010
Construction - Underground Mine	LHD Units - Sandvik LH204, Tier 4F	Rubber Tired Loaders	2021	125	175	0.4	0.060	0.260	3.700	0.005	0.008	0.008	471.080	0.152	0.068	0.007	0.027	0.407	0.001	0.001	0.001	51.806	0.017	0.008
Construction - Underground Mine	Personnel Vehicles - Gator XUV855, Tier 4F	Other Construction Equipment	2021	23	25	0.34	0.120	2.750	4.100	0.005	0.008	0.008	527.783	0.171	0.077	0.002	0.045	0.071	0.000	0.000	0.000	9.099	0.003	0.001
Year 2022 - Year 2026	Engineered Fill to Centennial (5 yrs)																							
Operations - Brunswick Site	Skid steer / forklift, Tier 4F	Skid Steer Loaders	2022	20	25	0.37	0.120	2.750	4.100	0.005	0.008	0.008	527.273	0.171	0.076	0.002	0.043	0.067	0.000	0.000	0.000	8.602	0.003	0.001
Operations - Brunswick Site	Front-end loader, Tier 4F	Rubber Tired Loaders	2022																					

Idaho-Maryland Mine Project
Off-Road Equipment Emissions - Diesel-Fueled

Location		Project Phase	Equipment - Project-Specific Name	Equipment	# of Units	Hrs/Day	Days/Wk	Total Hours per Month	Category	Daily Emissions (lb/day)								Monthly Emissions (tons/month)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
										ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2E																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Idaho-Maryland Mine Project
Off-Road Equipment Emissions - Diesel-Fueled

Location		Project Phase	Equipment - Project-Specific Name	Equipment	# of Units	Hrs/Day	Days/Wk	Total Hours per Month	Category	Daily Emissions (lb/day)								Monthly Emissions (tons/month)											
										ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2E	
Brunswick Industrial Site	Construction - Electrical and Mechanical	Skid steer / forklift	Skid Steer Loaders		3	6	6	464	Off-Road	0.12	0.99	1.10	0.00	0.03	0.03	154.88	0.05	0.02	0.002	0.013	0.014	0.000	0.000	0.000	1.998	0.001	0.000	2.10	
Brunswick Industrial Site	Construction - Electrical and Mechanical	Manlift	Aerial Lifts		1	6	6	155	Off-Road	0.01	0.23	0.26	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.003	0.000	0.000	0.000	0.555	0.000	0.000	0.58	
Brunswick Industrial Site	Construction - Electrical and Mechanical	Portable generator / welder	Welders		3	6	6	464	Off-Road	0.69	3.26	3.92	0.01	0.14	0.14	473.56	0.06	0.03	0.009	0.042	0.051	0.000	0.002	0.002	6.109	0.001	0.000	6.24	
Brunswick Industrial Site	Construction - Electrical and Mechanical	Forklift	Forklifts		2	4	6	206	Off-Road	0.29	2.51	2.62	0.00	0.16	0.15	332.64	0.11	0.05	0.004	0.032	0.034	0.000	0.002	0.002	4.291	0.001	0.001	4.51	
Brunswick Industrial Site	Construction - Electrical and Mechanical	Crane	Cranes		1	2	6	52	Off-Road	0.10	1.15	0.50	0.00	0.04	0.04	139.68	0.05	0.02	0.001	0.015	0.006	0.000	0.001	0.000	1.802	0.001	0.000	1.89	
E. Bennett Road	Construction - Potable Water Line	Portable generator / welder	Welders		3	6	6	464	Off-Road	0.69	3.26	3.92	0.01	0.14	0.14	473.56	0.06	0.03	0.009	0.042	0.051	0.000	0.002	0.002	6.109	0.001	0.000	6.24	
E. Bennett Road	Construction - Potable Water Line	Forklift	Forklifts		2	4	6	206	Off-Road	0.29	2.51	2.62	0.00	0.16	0.15	332.64	0.11	0.05	0.004	0.032	0.034	0.000	0.002	0.002	4.291	0.001	0.001	4.51	
E. Bennett Road	Construction - Potable Water Line	Excavator	Excavators		1	8	6	206	Off-Road	0.58	5.40	4.05	0.02	0.17	0.16	1,652.05	0.53	0.24	0.008	0.070	0.052	0.000	0.002	0.002	21.311	0.007	0.003	22.40	
E. Bennett Road	Construction - Potable Water Line	Concrete Saw	Concrete/Industrial Saws		1	4	6	103	Off-Road	0.10	0.75	0.96	0.00	0.04	0.04	154.25	0.01	0.00	0.001	0.010	0.012	0.000	0.000	0.000	1.990	0.000	0.000	2.01	
E. Bennett Road	Construction - Potable Water Line	Front-end loader	Rubber Tired Loaders		1	4	6	103	Off-Road	0.27	2.50	1.54	0.00	0.08	0.08	472.37	0.15	0.07	0.003	0.032	0.020	0.000	0.001	0.001	6.094	0.002	0.001	6.41	
E. Bennett Road	Construction - Potable Water Line	Rollor compactor	Rollers		1	4	6	103	Off-Road	0.09	0.91	0.94	0.00	0.05	0.05	127.04	0.04	0.02	0.001	0.012	0.012	0.000	0.001	0.001	1.639	0.001	0.000	1.72	
E. Bennett Road	Construction - Potable Water Line	Paving Equipment	Paving Equipment		1	4	6	103	Off-Road	0.10	0.92	1.27	0.00	0.04	0.04	197.22	0.06	0.03	0.001	0.012	0.016	0.000	0.001	0.000	2.544	0.001	0.000	2.67	
Apr-21									TOTAL	6.21	49.03	43.79	0.09	2.06	1.93	8,313.32	2.35	1.05	0.08	0.63	0.56	0.00	0.03	0.02	107.24	0.03	0.01	112.06	
May-21																													
Brunswick Industrial Site	Construction - Foundation and Concrete	Walk behind Compactor	Rollers		1	1	6	26	Off-Road	0.01	0.03	0.04	0.00	0.00	0.00	4.40	0.00	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.057	0.000	0.000	0.06	
Brunswick Industrial Site	Construction - Foundation and Concrete	Concrete Saw	Concrete/Industrial Saws		1	2	6	52	Off-Road	0.05	0.37	0.48	0.00	0.02	0.02	77.12	0.00	0.00	0.001	0.005	0.006	0.000	0.000	0.000	0.995	0.000	0.000	1.00	
Brunswick Industrial Site	Construction - Grading and Paving	Dozer	Rubber Tired Dozers		1	4	6	103	Off-Road	0.57	5.57	4.67	0.01	0.23	0.21	553.94	0.18	0.08	0.007	0.072	0.060	0.000	0.003	0.003	7.146	0.002	0.001	7.51	
Brunswick Industrial Site	Construction - Grading and Paving	Grader	Graders		1	4	6	103	Off-Road	0.22	2.78	0.87	0.00	0.08	0.07	317.39	0.10	0.05	0.003	0.036	0.011	0.000	0.001	0.001	4.094	0.001	0.001	4.30	
Brunswick Industrial Site	Construction - Grading and Paving	Excavator	Excavators		1	4	6	103	Off-Road	0.29	2.70	2.02	0.01	0.08	0.08	826.02	0.27	0.12	0.004	0.035	0.026	0.000	0.001	0.001	10.656	0.003	0.002	11.20	
Brunswick Industrial Site	Construction - Grading and Paving	Front-end loader	Rubber Tired Loaders		1	4	6	103	Off-Road	0.27	2.50	1.54	0.00	0.08	0.08	472.37	0.15	0.07	0.003	0.032	0.020	0.000	0.001	0.001	6.094	0.002	0.001	6.41	
Brunswick Industrial Site	Construction - Grading and Paving	Rollor compactor	Rollers		1	4	6	103	Off-Road	0.09	0.91	0.94	0.00	0.05	0.05	127.04	0.04	0.02	0.001	0.012	0.012	0.000	0.001	0.001	1.639	0.001	0.000	1.72	
Brunswick Industrial Site	Construction - Grading and Paving	Paving Equipment	Paving Equipment		1	2	6	52	Off-Road	0.05	0.46	0.64	0.00	0.02	0.02	98.61	0.03	0.01	0.001	0.006	0.008	0.000	0.000	0.000	1.272	0.000	0.000	1.34	
Brunswick Industrial Site	Construction - Building	Skid steer / forklift	Skid Steer Loaders		3	6	6	464	Off-Road	0.12	0.99	1.10	0.00	0.03	0.03	154.88	0.05	0.02	0.002	0.013	0.014	0.000	0.000	0.000	1.998	0.001	0.000	2.10	
Brunswick Industrial Site	Construction - Building	Manlift	Aerial Lifts		1	6	6	155	Off-Road	0.01	0.23	0.26	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.003	0.000	0.000	0.000	0.555	0.000	0.000	0.58	
Brunswick Industrial Site	Construction - Building	Portable generator / welder	Welders		3	6	6	464	Off-Road	0.69	3.26	3.92	0.01	0.14	0.14	473.56	0.06	0.03	0.009	0.042	0.051	0.000	0.002	0.002	6.109	0.001	0.000	6.24	
Brunswick Industrial Site	Construction - Building	Forklift	Forklifts		2	4	6	206	Off-Road	0.29	2.51	2.62	0.00	0.16	0.15	332.64	0.11	0.05	0.004	0.032	0.034	0.000	0.002	0.002	4.291	0.001	0.001	4.51	
Brunswick Industrial Site	Construction - Building	Crane	Cranes		1	4	6	103	Off-Road	0.21	2.30	0.99	0.00	0.08	0.08	279.35	0.09	0.04	0.003	0.030	0.013	0.000	0.001	0.001	3.604	0.001	0.001	3.79	
Brunswick Industrial Site	Construction - Electrical and Mechanical	Skid steer / forklift	Skid Steer Loaders		3	6	6	464	Off-Road	0.12	0.99	1.10	0.00	0.03	0.03	154.88	0.05	0.02	0.002	0.013	0.014	0.000	0.000	0.000	1.998	0.001	0.000	2.10	
Brunswick Industrial Site	Construction - Electrical and Mechanical	Manlift	Aerial Lifts		1	6	6	155	Off-Road	0.01	0.23	0.26	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.003	0.000	0.000	0.000	0.555	0.000	0.000	0.58	
Brunswick Industrial Site	Construction - Electrical and Mechanical	Portable generator / welder	Welders		3	6	6	464	Off-Road	0.69	3.26	3.92	0.01	0.14	0.14	473.56	0.06	0.03	0.009	0.042	0.051	0.000	0.002	0.002	6.109	0.001	0.000	6.24	
Brunswick Industrial Site	Construction - Electrical and Mechanical	Forklift	Forklifts		2	4	6	206	Off-Road	0.29	2.51	2.62	0.00	0.16	0.15	332.64	0.11	0.05	0.004	0.032	0.034	0.000	0.002	0.002	4.291	0.001	0.001	4.51	
Brunswick Industrial Site	Construction - Electrical and Mechanical	Crane	Cranes		1	2	6	52	Off-Road	0.10	1.15	0.50	0.00	0.04	0.04	139.68	0.05	0.02	0.001	0.015	0.006	0.000	0.001	0.000	1.802	0.001	0.000	1.89	
E. Bennett Road	Construction - Potable Water Line	Portable generator / welder	Welders		3	6	6	464	Off-Road	0.69	3.26	3.92	0.01																

Idaho-Maryland Mine Project
Off-Road Equipment Emissions - Diesel-Fueled

Location		Project Phase	Equipment - Project-Specific Name	Equipment	# of Units	Hrs/Day	Days/Wk	Total Hours per Month	Category	Daily Emissions (lb/day)								Monthly Emissions (tons/month)									
										ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
Brunswick Industrial Site	Construction - Grading and Paving	Paving Equipment	Paving Equipment	1	2	6	52	Off-Road	0.05	0.46	0.64	0.00	0.02	0.02	98.61	0.03	0.01	0.001	0.006	0.008	0.000	0.000	0.000	1.272	0.000	0.000	1.34
Brunswick Industrial Site	Construction - Building	Skid steer / forklift	Skid Steer Loaders	3	6	6	464	Off-Road	0.12	0.99	1.10	0.00	0.03	0.03	154.88	0.05	0.02	0.002	0.013	0.014	0.000	0.000	0.000	1.998	0.001	0.000	2.10
Brunswick Industrial Site	Construction - Building	Manlift	Aerial Lifts	1	6	6	155	Off-Road	0.01	0.23	0.26	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.003	0.000	0.000	0.000	0.555	0.000	0.000	0.58
Brunswick Industrial Site	Construction - Building	Portable generator / welder	Welders	3	6	6	464	Off-Road	0.69	3.26	3.92	0.01	0.14	0.14	473.56	0.06	0.03	0.009	0.042	0.051	0.000	0.002	0.002	6.109	0.001	0.000	6.24
Brunswick Industrial Site	Construction - Building	Forklift	Forklifts	2	4	6	206	Off-Road	0.29	2.51	2.62	0.00	0.16	0.15	332.64	0.11	0.05	0.004	0.032	0.034	0.000	0.002	0.002	4.291	0.001	0.001	4.51
Brunswick Industrial Site	Construction - Building	Crane	Cranes	1	4	6	103	Off-Road	0.21	2.30	0.99	0.00	0.08	0.08	279.35	0.09	0.04	0.003	0.030	0.013	0.000	0.001	0.001	3.604	0.001	0.001	3.79
Brunswick Industrial Site	Construction - Electrical and Mechanical	Skid steer / forklift	Skid Steer Loaders	3	6	6	464	Off-Road	0.12	0.99	1.10	0.00	0.03	0.03	154.88	0.05	0.02	0.002	0.013	0.014	0.000	0.000	0.000	1.998	0.001	0.000	2.10
Brunswick Industrial Site	Construction - Electrical and Mechanical	Manlift	Aerial Lifts	1	6	6	155	Off-Road	0.01	0.23	0.26	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.003	0.000	0.000	0.000	0.555	0.000	0.000	0.58
Brunswick Industrial Site	Construction - Electrical and Mechanical	Portable generator / welder	Welders	3	6	6	464	Off-Road	0.69	3.26	3.92	0.01	0.14	0.14	473.56	0.06	0.03	0.009	0.042	0.051	0.000	0.002	0.002	6.109	0.001	0.000	6.24
Brunswick Industrial Site	Construction - Electrical and Mechanical	Forklift	Forklifts	2	4	6	206	Off-Road	0.29	2.51	2.62	0.00	0.16	0.15	332.64	0.11	0.05	0.004	0.032	0.034	0.000	0.002	0.002	4.291	0.001	0.001	4.51
Brunswick Industrial Site	Construction - Electrical and Mechanical	Crane	Cranes	1	4	6	103	Off-Road	0.21	2.30	0.99	0.00	0.08	0.08	279.35	0.09	0.04	0.003	0.030	0.013	0.000	0.001	0.001	3.604	0.001	0.001	3.79
Brunswick Industrial Site	Construction - Electrical and Mechanical	Skid steer / forklift	Skid Steer Loaders	3	6	6	464	Off-Road	0.12	0.99	1.10	0.00	0.03	0.03	154.88	0.05	0.02	0.002	0.013	0.014	0.000	0.000	0.000	1.998	0.001	0.000	2.10
Brunswick Industrial Site	Construction - Electrical and Mechanical	Manlift	Aerial Lifts	1	6	6	155	Off-Road	0.01	0.23	0.26	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.003	0.000	0.000	0.000	0.555	0.000	0.000	0.58
Brunswick Industrial Site	Construction - Electrical and Mechanical	Portable generator / welder	Welders	3	6	6	464	Off-Road	0.69	3.26	3.92	0.01	0.14	0.14	473.56	0.06	0.03	0.009	0.042	0.051	0.000	0.002	0.002	6.109	0.001	0.000	6.24
Brunswick Industrial Site	Construction - Electrical and Mechanical	Forklift	Forklifts	2	4	6	206	Off-Road	0.29	2.51	2.62	0.00	0.16	0.15	332.64	0.11	0.05	0.004	0.032	0.034	0.000	0.002	0.002	4.291	0.001	0.001	4.51
Brunswick Industrial Site	Construction - Electrical and Mechanical	Crane	Cranes	1	2	6	52	Off-Road	0.10	1.15	0.50	0.00	0.04	0.04	139.68	0.05	0.02	0.001	0.015	0.006	0.000	0.001	0.000	1.802	0.001	0.000	1.89
E. Bennett Road	Construction - Transmission Line Extension	Forklift	Forklifts	2	4	6	206	Off-Road	0.29	2.51	2.62	0.00	0.16	0.15	332.64	0.11	0.05	0.004	0.032	0.034	0.000	0.002	0.002	4.291	0.001	0.001	4.51
E. Bennett Road	Construction - Transmission Line Extension	Manlift	Aerial Lifts	1	6	6	155	Off-Road	0.01	0.23	0.26	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.003	0.000	0.000	0.000	0.555	0.000	0.000	0.58
E. Bennett Road	Construction - Transmission Line Extension	Crane	Cranes	1	6	6	155	Off-Road	0.31	3.45	1.49	0.00	0.13	0.12	419.03	0.14	0.06	0.004	0.044	0.019	0.000	0.002	0.001	5.405	0.002	0.001	5.68
Aug-21									4.70	38.96	32.86	0.06	1.66	1.55	5,698.93	1.64	0.74	0.06	0.50	0.42	0.00	0.02	0.02	73.52	0.02	0.01	76.87
Sep-21									0.01	0.03	0.04	0.00	0.00	0.00	4.40	0.00	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.057	0.000	0.000	0.06
Brunswick Industrial Site	Construction - Foundation and Concrete	Concrete Saw	Concrete/Industrial Saws	1	2	6	52	Off-Road	0.05	0.37	0.48	0.00	0.02	0.02	77.12	0.00	0.00	0.001	0.005	0.006	0.000	0.000	0.000	0.995	0.000	0.000	1.00
Brunswick Industrial Site	Construction - Grading and Paving	Dozer	Rubber Tired Dozers	1	4	6	103	Off-Road	0.57	5.57	4.67	0.01	0.23	0.21	553.94	0.18	0.08	0.007	0.072	0.060	0.000	0.003	0.003	7.146	0.002	0.001	7.51
Brunswick Industrial Site	Construction - Grading and Paving	Grader	Graders	1	4	6	103	Off-Road	0.22	2.78	0.87	0.00	0.08	0.07	317.39	0.10	0.05	0.003	0.036	0.011	0.000	0.001	0.001	4.094	0.001	0.001	4.30
Brunswick Industrial Site	Construction - Grading and Paving	Excavator	Excavators	1	4	6	103	Off-Road	0.29	2.70	2.02	0.01	0.08	0.08	826.02	0.27	0.12	0.004	0.035	0.026	0.000	0.001	0.001	10.656	0.003	0.002	11.20
Brunswick Industrial Site	Construction - Grading and Paving	Front-end loader	Rubber Tired Loaders	1	4	6	103	Off-Road	0.27	2.50	1.54	0.00	0.08	0.08	472.37	0.15	0.07	0.003	0.032	0.020	0.000	0.001	0.001	6.094	0.002	0.001	6.41
Brunswick Industrial Site	Construction - Grading and Paving	Rollor compactor	Rollers	1	4	6	103	Off-Road	0.09	0.91	0.94	0.00	0.05	0.05	127.04	0.04	0.02	0.001	0.012	0.012	0.000	0.001	0.001	1.639	0.001	0.000	1.72
Brunswick Industrial Site	Construction - Grading and Paving	Paving Equipment	Paving Equipment	1	2	6	52	Off-Road	0.05	0.46	0.64	0.00	0.02	0.02	98.61	0.03	0.01	0.001	0.006	0.008	0.000	0.000	0.000	1.272	0.000	0.000	1.34
Brunswick Industrial Site	Construction - Building	Skid steer / forklift	Skid Steer Loaders	3	6	6	464	Off-Road	0.12	0.99	1.10	0.00	0.03	0.03	154.88	0.05	0.02	0.002	0.013	0.014	0.000	0.000	0.000	1.998	0.001	0.000	2.10
Brunswick Industrial Site	Construction - Building	Manlift	Aerial Lifts	1	6	6	155	Off-Road	0.01	0.23	0.26	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.003	0.000	0.000	0.000	0.555	0.000	0.000	0.58
Brunswick Industrial Site	Construction - Building	Portable generator / welder	Welders	3	6	6	464	Off-Road	0.69	3.26	3.92	0.01	0.14	0.14	473.56	0.06	0.03	0.009	0.042	0.051	0.000	0.002	0.002	6.109	0.001	0.000	6.24
Brunswick Industrial Site	Construction - Building	Forklift	Forklifts	2	4	6	206	Off-Road	0.29	2.51	2.62	0.00	0.16	0.15	332.64	0.11	0.05	0.004	0.032	0.034	0.000	0.002	0.002	4.291	0.001	0.001	4.51
Brunswick Industrial Site	Construction - Building	Crane	Cranes	1	4	6	103	Off-Road	0.21	2.30</																	

Idaho-Maryland Mine Project
Off-Road Equipment Emissions - Diesel-Fueled

Location	Project Phase	Equipment - Project-Specific Name	Equipment	# of Units	Hrs/Day	Days/Wk	Total Hours per Month	Category	Daily Emissions (lb/day)								Monthly Emissions (tons/month)										
									ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2E
Brunswick Industrial Site	Construction - Grading and Paving	Excavator	Excavators	1	4	6	103	Off-Road	0.29	2.70	2.02	0.01	0.08	0.08	826.02	0.27	0.12	0.004	0.035	0.026	0.000	0.001	0.001	10.656	0.003	0.002	11.20
Brunswick Industrial Site	Construction - Grading and Paving	Front-end loader	Rubber Tired Loaders	1	4	6	103	Off-Road	0.27	2.50	1.54	0.00	0.08	0.08	472.37	0.15	0.07	0.003	0.032	0.020	0.000	0.001	0.001	6.094	0.002	0.001	6.41
Brunswick Industrial Site	Construction - Grading and Paving	Roller compactor	Rollers	1	4	6	103	Off-Road	0.09	0.91	0.94	0.00	0.05	0.05	127.04	0.04	0.02	0.001	0.012	0.012	0.000	0.001	0.001	1.639	0.001	0.000	1.72
Brunswick Industrial Site	Construction - Grading and Paving	Paving Equipment	Paving Equipment	1	2	6	52	Off-Road	0.05	0.46	0.64	0.00	0.02	0.02	98.61	0.03	0.01	0.001	0.006	0.008	0.000	0.000	0.000	1.272	0.000	0.000	1.34
Brunswick Industrial Site	Construction - Building	Skid steer / forklift	Skid Steer Loaders	3	6	6	464	Off-Road	0.12	0.99	1.10	0.00	0.03	0.03	154.88	0.05	0.02	0.002	0.013	0.014	0.000	0.000	0.000	1.998	0.001	0.000	2.10
Brunswick Industrial Site	Construction - Building	Manlift	Aerial Lifts	1	6	6	155	Off-Road	0.01	0.23	0.26	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.003	0.000	0.000	0.000	0.555	0.000	0.000	0.58
Brunswick Industrial Site	Construction - Building	Portable generator / welder	Welders	3	6	6	464	Off-Road	0.69	3.26	3.92	0.01	0.14	0.14	473.56	0.06	0.03	0.009	0.042	0.051	0.000	0.002	0.002	6.109	0.001	0.000	6.24
Brunswick Industrial Site	Construction - Building	Forklift	Forklifts	2	4	6	206	Off-Road	0.29	2.51	2.62	0.00	0.16	0.15	332.64	0.11	0.05	0.004	0.032	0.034	0.000	0.002	0.002	4.291	0.001	0.001	4.51
Brunswick Industrial Site	Construction - Building	Crane	Cranes	1	4	6	103	Off-Road	0.21	2.30	0.99	0.00	0.08	0.08	279.35	0.09	0.04	0.003	0.030	0.013	0.000	0.001	0.001	3.604	0.001	0.001	3.79
Brunswick Industrial Site	Construction - Ironworkers	Forklift	Forklifts	2	4	6	206	Off-Road	0.29	2.51	2.62	0.00	0.16	0.15	332.64	0.11	0.05	0.004	0.032	0.034	0.000	0.002	0.002	4.291	0.001	0.001	4.51
Brunswick Industrial Site	Construction - Ironworkers	Crane	Cranes	1	4	6	103	Off-Road	0.21	2.30	0.99	0.00	0.08	0.08	279.35	0.09	0.04	0.003	0.030	0.013	0.000	0.001	0.001	3.604	0.001	0.001	3.79
Brunswick Industrial Site	Construction - Electrical and Mechanical	Skid steer / forklift	Skid Steer Loaders	3	6	6	464	Off-Road	0.12	0.99	1.10	0.00	0.03	0.03	154.88	0.05	0.02	0.002	0.013	0.014	0.000	0.000	0.000	1.998	0.001	0.000	2.10
Brunswick Industrial Site	Construction - Electrical and Mechanical	Manlift	Aerial Lifts	1	6	6	155	Off-Road	0.01	0.23	0.26	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.003	0.000	0.000	0.000	0.555	0.000	0.000	0.58
Brunswick Industrial Site	Construction - Electrical and Mechanical	Portable generator / welder	Welders	3	6	6	464	Off-Road	0.69	3.26	3.92	0.01	0.14	0.14	473.56	0.06	0.03	0.009	0.042	0.051	0.000	0.002	0.002	6.109	0.001	0.000	6.24
Brunswick Industrial Site	Construction - Electrical and Mechanical	Forklift	Forklifts	2	4	6	206	Off-Road	0.29	2.51	2.62	0.00	0.16	0.15	332.64	0.11	0.05	0.004	0.032	0.034	0.000	0.002	0.002	4.291	0.001	0.001	4.51
Brunswick Industrial Site	Construction - Electrical and Mechanical	Crane	Cranes	1	2	6	52	Off-Road	0.10	1.15	0.50	0.00	0.04	0.04	139.68	0.05	0.02	0.001	0.015	0.006	0.000	0.001	0.000	1.802	0.001	0.000	1.89
Brunswick Industrial Site - Underground Mine	Construction - Underground Mine	LHD Units - Sandvik LH204, Tier 4F	Rubber Tired Loaders	2	20	7	1204	Off-Road	0.26	1.08	16.28	0.02	0.03	0.03	2,072.26	0.67	0.30	0.004	0.016	0.245	0.000	0.000	0.000	31.187	0.010	0.005	32.79
Brunswick Industrial Site - Underground Mine	Construction - Underground Mine	Personelle Vehicles - Gator XUV855, Tier 4F	Other Construction Equipment	2	12	7	722	Off-Road	0.05	1.08	1.70	0.00	0.00	0.00	218.37	0.07	0.03	0.001	0.016	0.026	0.000	0.000	0.000	3.286	0.001	0.000	3.45
Dec-21									4.90	39.75	50.08	0.08	1.65	1.54	7,806.82	2.32	1.04	0.06	0.52	0.68	0.00	0.02	0.02	105.63	0.03	0.01	110.63

ANNUAL SUMMARY - MAXIMUM	6.71	53.84	50.83	0.10	2.30	2.15	8,925.30	2.55	1.14	0.09	0.69	0.69	0.00	0.03	0.03	115.14	0.03	0.01	120.35
ANNUAL TOTAL - TONS										0.81	6.53	6.64	0.01	0.27	0.26	1,135.31	0.33	0.15	1,187.46
ANNUAL TOTAL - METRIC TONS																1,029.94	0.30	0.13	1,077.25

Year 2022 - Year 2026	Engineered Fill to Centennial (5 yrs)								0.07	1.53	2.41	0.00	0.00	0.00	309.66	0.10	0.04	0.001	0.023	0.037	0.000	0.000	0.000	4.709	0.002	0.001	4.95
Brunswick Industrial Site	Operations - Brunswick Site	Skid steer / forklift, Tier 4F	Skid Steer Loaders	3	12	7	1095	Off-Road	0.06	0.25	2.22	0.00	0.01	0.01	472.57	0.15	0.07	0.001	0.004	0.034	0.000	0.000	0.000	7.187	0.002	0.001	7.56
Brunswick Industrial Site	Operations - Brunswick Site	Front-end loader, Tier 4F	Rubber Tired Loaders	1	4	7	122	Off-Road	0.01	0.21	0.34	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.005	0.000	0.000	0.000	0.655	0.000	0.000	0.69
Brunswick Industrial Site	Operations - Brunswick Site	Manlift, Tier 4F	Aerial Lifts	1	6	7	183	Off-Road	0.10	0.39	5.87	0.01	0.01	0.01	753.29	0.24	0.11	0.001	0.006	0.089	0.000	0.000	0.000	11.456	0.004	0.002	12.04
Brunswick Industrial Site	Operations - Brunswick Site	Rough Terrain Crane (50t), Tier 4F	Cranes	1	12	7	365	Off-Road	0.13	2.90	4.56	0.01	0.01	0.01	631.42	0.08	0.03	0.002	0.044	0.069	0.000	0.000	0.000	9.603	0.001	0.001	9.79
Brunswick Industrial Site	Operations - Brunswick Site	Portable generator / welder, Tier 4F	Welders	3	8	7	730	Off-Road	0.07	0.29	2.54	0.01	0.01	0.01	554.31	0.18	0.08	0.001	0.004	0.039	0.000	0.000	0.000	8.430	0.003	0.001	8.86
Centennial Industrial Site	Operations - Centennial Fill Placement	Dozer, Tier 4F	Rubber Tired Dozers	1	4	7	122	Off-Road	0.11	0.43	3.87	0.01	0.01	0.01	825.57	0.27	0.12	0.002	0.007	0.059	0.000	0.000	0.000	12.556	0.004	0.002	13.20
Centennial Industrial Site	Operations - Centennial Fill Placement	Excavator, Tier 4F	Excavators	1	4	7	122	Off-Road	0.01	0.31	0.44	0.00	0.00	0.00	67.65	0.00	0.00	0.000	0.005	0.007	0.000	0.000	0.000	1.029	0.000	0.000	1.04
Centennial Industrial Site	Operations - Centennial Fill Placement	Mobile Tire pressure washing system, Tier 4F	Pumps	1	3	7	91	Off-Road	0.09	0.37	3.26	0.01	0.01	0.01	700.61	0.23	0.10	0.001	0.006	0.050	0.000	0.000	0.000	10.655	0.003	0.002	11.20
Centennial Industrial Site	Operations - Centennial Fill Placement	Mobile auger blending plant, Tier 4F	Other General Industrial Equipm	1	4	7	122	On-Road	0.65	6.67	25.51	0.05	0.06	0.06	4,358.13	1.26	0.57	0.01	0.10	0.39	0.00	0.00	0.00	66.28	0.02	0.01	69.32
Year 2022 - Year 2026									0.65	6.67	25.51	0.05	0.06	0.06	4,358.13	1.26	0.57	0.01	0.10	0.39	0.00	0.00	0.00	66.28	0.02	0.01	69.32

ANNUAL SUMMARY - MAXIMUM	0.65	6.67	25.51	0.05	0.06	0.06	4,358.13	1.26	0.57	0.01	0.10	0.39	0.00	0.00	0.00	66.28	0.02	0.01	69.32
ANNUAL TOTAL - TONS										0.12	1.22	4.66	0.01	0.01	0.01	795.36	0.23	0.10	831.90
ANNUAL TOTAL - METRIC TONS																721.54	0.21	0.09	754.68

Year 2027 - Year 2032	Engineered Fill to Brunswick (6 yrs)								0.07	1.53	2.41	0.00	0.00	0.00	310.00	0.10	0.04	0.001	0.023	0.037	0.000	0.000	0.000	4.715	0.002	0.001	4.96
Brunswick Industrial Site	Operations - Brunswick Site	Skid steer / forklift, Tier 4F	Skid Steer Loaders	3	12	7	1095	Off-Road	0.06	0.25	2.22	0.00	0.01	0.01	473.59	0.15	0.07	0.001	0.004	0.034	0.000	0.000	0.000	7.203	0.002	0.001	7.57
Brunswick Industrial Site	Operations - Brunswick Site	Front-end loader, Tier 4F	Rubber Tired Loaders	1	4	7	122	Off-Road	0.01	0.21	0.34	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.005	0.000	0.000	0.000	0.655	0.000	0.000	0.69
Brunswick Industrial Site	Operations - Brunswick Site	Manlift, Tier 4F	Aerial Lifts	1	6	7	183	Off-Road	0.10	0.39	5.87	0.01	0.01	0.01	753.54	0.24	0.11	0.001	0.006	0.089	0.000	0.000	0.000	11.460	0.004	0.002	12.05
Brunswick Industrial Site	Operations - Brunswick Site	Rough Terrain Crane (50t), Tier 4F	Cranes	1	12	7	365	Off-Road	0.13	2.90	4.56	0.01	0.01	0.01	631.42	0.06	0.03	0.002	0.044	0.069	0.000	0.000	0.000	9.603	0.001	0.000	9.75
Brunswick Industrial Site	Operations - Brunswick Site	Portable generator / welder, Tier 4F	Welders	3	8	7	730	Off-Road	0.07	0.29	2.54	0.01	0.01	0.01	554.06	0.18	0.08	0.001	0.004	0.039	0.000	0.000	0.000	8.426	0.003	0.001	8.86
Centennial Industrial Site	Operations - Brunswick Fill Placement	Dozer, Tier 4F	Rubber Tired Dozers	1	4	7	122	Off-Road	0.11	0.43	3.87	0.01	0.01	0.01	824.28	0.27	0.12	0.002	0.007	0.059	0.000	0.000	0.000	12.536	0.004	0.002	13.18
Centennial Industrial Site	Operations - Brunswick Fill Placement	Excavator, Tier 4F	Excavators	1	4	7	122	Off-Road	0.01	0.31	0.44	0.00	0.00	0.00	67.65	0.00	0.00	0.000	0.005	0.007	0.000	0.000	0.000	1.029	0.000	0.000	1.04
Centennial Industrial Site	Operations - Brunswick Fill Placement	Mobile Tire pressure washing system, Tier 4F	Pumps	1	3	7	91	Off-Road	0.09	0.37	3.26	0.01	0.01	0.01	700.61	0.23	0.10	0.001	0.006	0.050	0.000	0.000	0.000	10.655	0.003	0.002	11.20
Centennial Industrial Site	Operations - Brunswick Fill Placement	Mobile auger blending plant, Tier 4F	Other General Industrial Equipm	1	4	7	122	On-Road	0.65	6.67	25.51	0.05	0.06	0.06	4,358.22	1.25	0.56	0.01	0.10	0.39	0.00	0.00	0.00	66.28	0.02	0.01	69.29
Year 2027 - Year 2032									0.65	6.67	25.51	0.05	0.06	0.06	4,358.22	1.25	0.56	0.01	0.10	0.39	0.00	0.00	0.00	66.28	0.02	0.01	69.29

ANNUAL SUMMARY - MAXIMUM	0.65	6.67	25.51	0.05	0.06	0.06	4,358.

Idaho-Maryland Mine Project
Off-Road Equipment Emissions - Diesel-Fueled

Location	Project Phase	Equipment - Project-Specific Name	Equipment	# of Units	Hrs/Day	Days/Wk	Total Hours per Month	Category	Daily Emissions (lb/day)								Monthly Emissions (tons/month)																		
									ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2E								
Year 2033 - Year 2102		Engineered Fill to Off-Site Industrial																																	
Brunswick Industrial Site	Operations - Brunswick Site	Skid steer / forklift, Tier 4F	Skid Steer Loaders	3	12	7	1095	Off-Road	0.07	1.53	2.41	0.00	0.00	0.00	333.75	0.04	0.02	0.001	0.023	0.037	0.000	0.000	0.000	5.076	0.001	0.000	5.16								
Brunswick Industrial Site	Operations - Brunswick Site	Front-end loader, Tier 4F	Rubber Tired Loaders	1	4	7	122	Off-Road	0.06	0.25	2.22	0.00	0.01	0.01	473.59	0.15	0.07	0.001	0.004	0.034	0.000	0.000	0.000	7.203	0.002	0.001	7.57								
Brunswick Industrial Site	Operations - Brunswick Site	Manlift, Tier 4F	Aerial Lifts	1	6	7	183	Off-Road	0.01	0.21	0.34	0.00	0.00	0.00	46.60	0.01	0.00	0.000	0.003	0.005	0.000	0.000	0.000	0.709	0.000	0.000	0.72								
Brunswick Industrial Site	Operations - Brunswick Site	Rough Terrain Crane (50t), Tier 4F	Cranes	1	12	7	365	Off-Road	0.10	0.39	5.87	0.01	0.01	0.01	902.03	0.03	0.02	0.001	0.006	0.089	0.000	0.000	0.000	13.718	0.001	0.000	13.80								
Brunswick Industrial Site	Operations - Brunswick Site	Portable generator / welder, Tier 4F	Welders	3	8	7	730	Off-Road	0.13	2.90	4.56	0.01	0.01	0.01	631.42	0.04	0.02	0.002	0.044	0.069	0.000	0.000	0.000	9.603	0.001	0.000	9.71								
Year 2033 - Year 2102		TOTAL							2494								0.37	5.28	15.39	0.03	0.03	0.03	2,387.39	0.27	0.12	0.01	0.08	0.23	0.00	0.00	0.00	36.31	0.00	0.00	36.97
ANNUAL SUMMARY - MAXIMUM									0.37	5.28	15.39	0.03	0.03	0.03	2,387.39	0.27	0.12	0.01	0.08	0.23	0.00	0.00	0.00	0.00	0.00	36.31	0.00	0.00	36.97						
ANNUAL TOTAL - TONS										0.07	0.96	2.81	0.00	0.01	0.01				0.07	0.96	2.81	0.00	0.01	0.01	435.70	0.05	0.02	443.61							
ANNUAL TOTAL - METRIC TONS																								395.26	0.05	0.02	402.44								
Year 2103		Reclamation																																	
Brunswick Industrial Site	Reclamation - Brunswick Site	Forklift	Forklifts	2	4	6	206	Off-Road	0.04	0.17	2.61	0.00	0.00	0.00	400.90	0.02	0.01	0.001	0.002	0.034	0.000	0.000	0.000	5.172	0.000	0.000	5.21								
Brunswick Industrial Site	Reclamation - Brunswick Site	Crane	Cranes	1	4	6	103	Off-Road	0.04	0.15	1.30	0.00	0.00	0.00	335.70	0.01	0.01	0.000	0.002	0.017	0.000	0.000	0.000	4.331	0.000	0.000	4.35								
Year 2103		TOTAL							310								0.08	0.32	3.91	0.01	0.01	0.01	736.61	0.03	0.01	0.00	0.00	0.05	0.00	0.00	9.56				
ANNUAL SUMMARY - MAXIMUM (ASSUMING 3 MONTHS FOR RECLAMATION)									0.08	0.32	3.91	0.01	0.01	0.01	736.61	0.03	0.01	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	9.50	0.00	0.00	9.56						
ANNUAL TOTAL - TONS (ASSUMING 3 MONTHS FOR RECLAMATION)										0.00	0.01	0.15	0.00	0.00	0.00				0.00	0.01	0.15	0.00	0.00	0.00	28.51	0.00	0.00	28.69							
ANNUAL TOTAL - METRIC TONS (ASSUMING 3 MONTHS FOR RECLAMATION)																								25.86	0.00	0.00	26.02								

Off-Road Equipment – Mitigated

Idaho-Maryland Mine Project
Equipment Emissions Summary - Mitigated

Construction		Daily Emissions (lb/day)								Monthly Emissions (tons/month)											
		ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
Year 2021																					
	Jan-21	2.11	10.86	30.13	0.05	0.41	0.40	4904.20	1.38	0.62		0.03	0.14	0.39	0.00	0.01	0.01	63.26	0.02	0.01	66.09
	Feb-21	3.25	15.97	54.08	0.10	0.60	0.60	8925.30	2.55	1.14		0.04	0.21	0.70	0.00	0.01	0.01	115.14	0.03	0.01	120.35
	Mar-21	3.25	15.97	54.08	0.10	0.60	0.60	8925.30	2.55	1.14		0.04	0.21	0.70	0.00	0.01	0.01	115.14	0.03	0.01	120.35
	Apr-21	3.17	15.65	50.17	0.09	0.59	0.59	8313.32	2.35	1.05		0.04	0.20	0.65	0.00	0.01	0.01	107.24	0.03	0.01	112.06
	May-21	3.17	15.65	50.17	0.09	0.59	0.59	8313.32	2.35	1.05		0.04	0.20	0.65	0.00	0.01	0.01	107.24	0.03	0.01	112.06
	Jun-21	2.11	10.86	30.13	0.05	0.41	0.40	4904.20	1.38	0.62		0.03	0.14	0.39	0.00	0.01	0.01	63.26	0.02	0.01	66.09
	Jul-21	2.22	11.48	34.95	0.06	0.42	0.42	5698.93	1.64	0.74		0.03	0.15	0.45	0.00	0.01	0.01	73.52	0.02	0.01	76.87
	Aug-21	2.22	11.48	34.95	0.06	0.42	0.42	5698.93	1.64	0.74		0.03	0.15	0.45	0.00	0.01	0.01	73.52	0.02	0.01	76.87
	Sep-21	2.53	13.64	52.92	0.08	0.45	0.45	7989.55	2.38	1.07		0.03	0.18	0.72	0.00	0.01	0.01	107.99	0.03	0.01	113.11
	Oct-21	2.42	13.02	48.11	0.08	0.44	0.44	7194.83	2.12	0.95		0.03	0.17	0.66	0.00	0.01	0.01	97.74	0.03	0.01	102.33
	Nov-21	2.50	13.34	52.01	0.08	0.45	0.44	7806.82	2.32	1.04		0.03	0.18	0.71	0.00	0.01	0.01	105.63	0.03	0.01	110.63
	Dec-21	2.50	13.34	52.01	0.08	0.45	0.44	7806.82	2.32	1.04		0.03	0.18	0.71	0.00	0.01	0.01	105.63	0.03	0.01	110.63

SUMMARY - MAXIMUM DAILY	3.25	15.97	54.08	0.10	0.60	0.60	8,925.30	2.55	1.14										
TOTAL - TONS										0.41	2.10	7.17	0.01	0.08	0.07	1,135.31	0.33	0.15	1,187.46
TOTAL - METRIC TONS																1,029.94	0.30	0.13	1,077.25

Operations	Daily Emissions (lb/day)											Annual Emissions (tons/year)									
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	ROG		NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
Year 2022 - Year 2026																					
Mining, Brunswick Site, Fill Placement at Centennial	0.65	6.67	25.51	0.05	0.06	0.06	4,358.13	1.26	0.57		0.12	1.22	4.66	0.01	0.01	0.01	795.36	0.23	0.10	831.90	
Year 2027 -Year 2032																					
Mining, Brunswick Site, Fill Placement at Brunswick	0.65	6.67	25.51	0.05	0.06	0.06	4,358.22	1.25	0.56		0.12	1.22	4.66	0.01	0.01	0.01	795.37	0.23	0.10	831.44	
Year 2033 - 2102																					
Mining, Brunswick Site, Fill Placement Off-Site	0.37	5.28	15.39	0.03	0.03	0.03	2,387.39	0.27	0.12		0.07	0.96	2.81	0.00	0.01	0.01	435.70	0.05	0.02	443.61	
Year 2103																					
Reclamation	0.08	0.32	3.91	0.01	0.01	0.01	736.61	0.03	0.01		0.00	0.01	0.15	0.00	0.00	0.00	28.51	0.00	0.00	28.69	

SUMMARY - MAXIMUM DAILY	0.65	6.67	25.51	0.05	0.06	0.06	4,358.22	1.26	0.57										
MAXIMUM ANNUAL - TONS										0.12	1.22	4.66	0.01	0.01	0.01	795.37	0.23	0.10	831.90
MAXIMUM ANNUAL - METRIC TONS																721.55	0.21	0.09	754.68

Idaho-Maryland Mine Project

Off-Road Equipment Emission Factors - Mitigated

** Mitigation Includes Tier 4 Engines in All Equipment >= 50 hp During Construction

Project Phase	Equipment - Project-Specific Name	Equipment - OFFROAD Category	Year	HP	HP - Bin Max	Load Factor	Emission Factors (g-HP/hr)									Hourly Emission Rates (lb/hr)								
							ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
Year 2021	Construction																							
Construction - Foundation and Concrete	Walk behind Compactor	Rollers	2021	10	15	0.38	0.847	4.351	4.597	0.005	0.294	0.270	525.791	0.170	0.076	0.007	0.035	0.039	0.000	0.002	0.002	4.405	0.001	0.001
Construction - Foundation and Concrete	Concrete Saw	Concrete/Industrial Saws	2021	81	120	0.38	0.060	0.260	3.700	0.006	0.008	0.008	568.299	0.033	0.015	0.004	0.017	0.251	0.000	0.000	0.000	38.562	0.002	0.001
Construction - Grading and Paving	Dozer	Rubber Tired Dozers	2021	305	500	0.43	0.060	0.260	2.200	0.005	0.008	0.008	478.987	0.155	0.069	0.017	0.071	0.636	0.001	0.002	0.002	138.485	0.045	0.020
Construction - Grading and Paving	Grader	Graders	2021	185	250	0.41	0.060	0.260	2.200	0.005	0.008	0.008	474.539	0.153	0.069	0.010	0.041	0.368	0.001	0.001	0.001	79.348	0.026	0.012
Construction - Grading and Paving	Excavator	Excavators	2021	525	750	0.38	0.060	0.260	2.200	0.005	0.008	0.008	469.547	0.152	0.068	0.026	0.108	0.968	0.002	0.003	0.003	206.506	0.067	0.030
Construction - Grading and Paving	Front-end loader	Rubber Tired Loaders	2021	318	500	0.36	0.060	0.260	2.200	0.005	0.008	0.008	467.928	0.151	0.068	0.015	0.062	0.555	0.001	0.002	0.002	118.091	0.038	0.017
Construction - Grading and Paving	Roller/compactor	Rollers	2021	80	120	0.38	0.060	0.260	3.700	0.005	0.008	0.008	473.901	0.153	0.069	0.004	0.017	0.248	0.000	0.000	0.000	31.759	0.010	0.005
Construction - Grading and Paving	Paving Equipment	Paving Equipment	2021	132	175	0.36	0.060	0.260	3.700	0.005	0.008	0.008	470.649	0.152	0.068	0.006	0.026	0.388	0.001	0.001	0.001	49.304	0.016	0.007
Construction - Building	Skid steer / forklift	Skid Steer Loaders	2021	20	25	0.37	0.409	3.573	3.732	0.005	0.126	0.116	527.450	0.171	0.076	0.007	0.055	0.061	0.000	0.002	0.002	8.604	0.003	0.001
Construction - Building	Manlift	Aerial Lifts	2021	20	25	0.31	0.165	2.922	3.114	0.005	0.027	0.024	525.074	0.170	0.076	0.002	0.038	0.043	0.000	0.000	0.000	7.177	0.002	0.001
Construction - Building	Portable generator / welder	Welders	2021	30	50	0.7	0.829	4.133	4.708	0.007	0.203	0.203	568.299	0.074	0.033	0.038	0.181	0.218	0.000	0.008	0.008	26.309	0.003	0.002
Construction - Building	Forklift	Forklifts	2021	100	120	0.4	0.060	0.260	3.700	0.005	0.008	0.008	471.528	0.153	0.068	0.005	0.022	0.326	0.000	0.001	0.001	41.579	0.013	0.006
Construction - Building	Crane	Cranes	2021	231	250	0.29	0.060	0.260	2.200	0.005	0.008	0.008	472.906	0.153	0.069	0.009	0.036	0.325	0.001	0.001	0.001	69.838	0.023	0.010
Construction - Ironworkers	Forklift	Forklifts	2021	100	120	0.4	0.060	0.260	3.700	0.005	0.008	0.008	471.528	0.153	0.068	0.005	0.022	0.326	0.000	0.001	0.001	41.579	0.013	0.006
Construction - Ironworkers	Crane	Cranes	2021	231	250	0.29	0.060	0.260	2.200	0.005	0.008	0.008	472.906	0.153	0.069	0.009	0.036	0.325	0.001	0.001	0.001	69.838	0.023	0.010
Construction - Electrical and Mechanical	Skid steer / forklift	Skid Steer Loaders	2021	20	25	0.37	0.409	3.573	3.732	0.005	0.126	0.116	527.450	0.171	0.076	0.007	0.055	0.061	0.000	0.002	0.002	8.604	0.003	0.001
Construction - Electrical and Mechanical	Manlift	Aerial Lifts	2021	20	25	0.31	0.165	2.922	3.114	0.005	0.027	0.024	525.074	0.170	0.076	0.002	0.038	0.043	0.000	0.000	0.000	7.177	0.002	0.001
Construction - Electrical and Mechanical	Portable generator / welder	Welders	2021	30	50	0.7	0.829	4.133	4.708	0.007	0.203	0.203	568.299	0.074	0.033	0.038	0.181	0.218	0.000	0.008	0.008	26.309	0.003	0.002
Construction - Electrical and Mechanical	Forklift	Forklifts	2021	100	120	0.4	0.060	0.260	3.700	0.005	0.008	0.008	471.528	0.153	0.068	0.005	0.022	0.326	0.000	0.001	0.001	41.579	0.013	0.006
Construction - Electrical and Mechanical	Crane	Cranes	2021	231	250	0.29	0.060	0.260	2.200	0.005	0.008	0.008	472.906	0.153	0.069	0.009	0.036	0.325	0.001	0.001	0.001	69.838	0.023	0.010
Construction - Potable Water Line	Portable generator / welder	Welders	2021	30	50	0.7	0.829	4.133	4.708	0.007	0.203	0.203	568.299	0.074	0.033	0.038	0.181	0.218	0.000	0.008	0.008	26.309	0.003	0.002
Construction - Potable Water Line	Forklift	Forklifts	2021	100	120	0.4	0.060	0.260	3.700	0.005	0.008	0.008	471.528	0.153	0.068	0.005	0.022	0.326	0.000	0.001	0.001	41.579	0.013	0.006
Construction - Potable Water Line	Excavator	Excavators	2021	525	750	0.38	0.060	0.260	2.200	0.005	0.008	0.008	469.547	0.152	0.068	0.026	0.108	0.968	0.002	0.003	0.003	206.506	0.067	0.030
Construction - Potable Water Line	Concrete Saw	Concrete/Industrial Saws	2021	81	120	0.38	0.060	0.260	3.700	0.006	0.008	0.008	568.299	0.033	0.015	0.004	0.017	0.251	0.000	0.000	0.000	38.562	0.002	0.001
Construction - Potable Water Line	Front-end loader	Rubber Tired Loaders	2021	318	500	0.36	0.060	0.260	2.200	0.005	0.008	0.008	467.928	0.151	0.068	0.015	0.062	0.555	0.001	0.002	0.002	118.091	0.038	0.017
Construction - Potable Water Line	Rollor compactor	Rollers	2021	80	120	0.38	0.060	0.260	3.700	0.005	0.008	0.008	473.901	0.153	0.069	0.004	0.017	0.248	0.000	0.000	0.000	31.759	0.010	0.005
Construction - Potable Water Line	Paving Equipment	Paving Equipment	2021	132	175	0.36	0.060	0.260	3.700	0.005	0.008	0.008	470.649	0.152	0.068	0.006	0.026	0.388	0.001	0.001	0.001	49.304	0.016	0.007
Construction - Transmission Line Extension	Forklift	Forklifts	2021	100	120	0.40	0.060	0.260	3.700	0.005	0.008	0.008	471.528	0.153	0.068	0.005	0.022	0.326	0.000	0.001	0.001	41.579	0.013	0.006
Construction - Transmission Line Extension	Manlift	Aerial Lifts	2021	20	25	0.31	0.165	2.922	3.114	0.005	0.027	0.024	525.074	0.170	0.076	0.002	0.038	0.043	0.000	0.000	0.000	7.177	0.002	0.001
Construction - Transmission Line Extension	Crane	Cranes	2021	231	250	0.29	0.060	0.260	2.200	0.005	0.008	0.008	472.906	0.153	0.069	0.009	0.036	0.325	0.001	0.001	0.001	69.838	0.023	0.010
Construction - Underground Mine	LHD Units - Sandvik LH204, Tier 4F	Rubber Tired Loaders	2021	125	175	0.4	0.060	0.260	3.700	0.005	0.008	0.008	471.080	0.152	0.068	0.007	0.027	0.407	0.001	0.001	0.001	51.806	0.017	0.008
Construction - Underground Mine	Personnel Vehicles - Gator XUV855, Tier 4F	Other Construction Equipment	2021	23	25	0.34	0.120	2.750	4.100	0.005	0.008	0.008	527.783	0.171	0.077	0.002	0.045	0.071	0.000	0.000	0.000	9.099	0.003	0.001
Year 2022 - Year 2026	Engineered Fill to Centennial (5 yrs)																							
Operations - Brunswick Site	Skid steer / forklift, Tier 4F	Skid Steer Loaders	2022	20	25	0.37	0.120	2.750	4.100	0.005	0.008	0.008	527.273	0.171	0.076	0.002	0.043	0.067	0.000	0.000	0.000	8.602	0.003	0.001
Operations - Brunswick Site	Front-end loader, Tier 4F	Rubber Tired Loaders	2022	318	500	0.36	0.060	0.260	2.200	0.005	0.008	0.008	468											

Idaho-Maryland Mine Project
Off-Road Equipment Emissions - Diesel-Fueled

Location		Project Phase	Equipment - Project-Specific Name	Equipment	# of Units	Hrs/Day	Days/Wk	Total Hours per Month	Category	Daily Emissions (lb/day)								Monthly Emissions (tons/month)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
										ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2E																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Idaho-Maryland Mine Project
Off-Road Equipment Emissions - Diesel-Fueled

Location		Project Phase	Equipment - Project-Specific Name	Equipment	# of Units	Hrs/Day	Days/Wk	Total Hours per Month	Category	Daily Emissions (lb/day)								Monthly Emissions (tons/month)											
										ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2E	
Brunswick Industrial Site	Construction - Electrical and Mechanical	Skid steer / forklift	Skid Steer Loaders	3	6	6	6	464	Off-Road	0.12	0.99	1.10	0.00	0.03	0.03	154.88	0.05	0.02	0.002	0.013	0.014	0.000	0.000	0.000	1.998	0.001	0.000	2.10	
Brunswick Industrial Site	Construction - Electrical and Mechanical	Manlift	Aerial Lifts	1	6	6	6	155	Off-Road	0.01	0.23	0.26	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.003	0.000	0.000	0.000	0.555	0.000	0.000	0.58	
Brunswick Industrial Site	Construction - Electrical and Mechanical	Portable generator / welder	Welders	3	6	6	6	464	Off-Road	0.69	3.26	3.92	0.01	0.14	0.14	473.56	0.06	0.03	0.009	0.042	0.051	0.000	0.002	0.002	6.109	0.001	0.000	6.24	
Brunswick Industrial Site	Construction - Electrical and Mechanical	Forklift	Forklifts	2	4	6	6	206	Off-Road	0.04	0.17	2.61	0.00	0.00	0.00	332.64	0.11	0.05	0.001	0.002	0.034	0.000	0.000	0.000	4.291	0.001	0.001	4.51	
Brunswick Industrial Site	Construction - Electrical and Mechanical	Crane	Cranes	1	2	6	6	52	Off-Road	0.02	0.07	0.65	0.00	0.00	0.00	139.68	0.05	0.02	0.000	0.001	0.008	0.000	0.000	0.000	1.802	0.001	0.000	1.89	
E. Bennett Road	Construction - Potable Water Line	Portable generator / welder	Welders	3	6	6	6	464	Off-Road	0.69	3.26	3.92	0.01	0.14	0.14	473.56	0.06	0.03	0.009	0.042	0.051	0.000	0.002	0.002	6.109	0.001	0.000	6.24	
E. Bennett Road	Construction - Potable Water Line	Forklift	Forklifts	2	4	6	6	206	Off-Road	0.04	0.17	2.61	0.00	0.00	0.00	332.64	0.11	0.05	0.001	0.002	0.034	0.000	0.000	0.000	4.291	0.001	0.001	4.51	
E. Bennett Road	Construction - Potable Water Line	Excavator	Excavators	1	8	6	6	206	Off-Road	0.21	0.87	7.74	0.02	0.02	0.02	1,652.05	0.53	0.24	0.003	0.011	0.100	0.000	0.000	0.000	21.311	0.007	0.003	22.40	
E. Bennett Road	Construction - Potable Water Line	Concrete Saw	Concrete/Industrial Saws	1	4	6	6	103	Off-Road	0.02	0.07	1.00	0.00	0.00	0.00	154.25	0.01	0.00	0.000	0.001	0.013	0.000	0.000	0.000	1.990	0.000	0.000	2.01	
E. Bennett Road	Construction - Potable Water Line	Front-end loader	Rubber Tired Loaders	1	4	6	6	103	Off-Road	0.06	0.25	2.22	0.00	0.01	0.01	472.37	0.15	0.07	0.001	0.003	0.029	0.000	0.000	0.000	6.094	0.002	0.001	6.41	
E. Bennett Road	Construction - Potable Water Line	Rollor compactor	Rollers	1	4	6	6	103	Off-Road	0.02	0.07	0.99	0.00	0.00	0.00	127.04	0.04	0.02	0.000	0.001	0.013	0.000	0.000	0.000	1.639	0.001	0.000	1.72	
E. Bennett Road	Construction - Potable Water Line	Paving Equipment	Paving Equipment	1	4	6	6	103	Off-Road	0.03	0.10	1.55	0.00	0.00	0.00	197.22	0.06	0.03	0.000	0.001	0.020	0.000	0.000	0.000	2.544	0.001	0.000	2.67	
Apr-21									TOTAL	3.17	15.65	50.17	0.09	0.59	0.59	8,313.32	2.35	1.05	0.04	0.20	0.65	0.00	0.01	0.01	107.24	0.03	0.01	112.06	
May-21																													
Brunswick Industrial Site	Construction - Foundation and Concrete	Walk behind Compactor	Rollers	1	1	6	6	26	Off-Road	0.01	0.03	0.04	0.00	0.00	0.00	4.40	0.00	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.057	0.000	0.000	0.06	
Brunswick Industrial Site	Construction - Foundation and Concrete	Concrete Saw	Concrete/Industrial Saws	1	2	6	6	52	Off-Road	0.01	0.03	0.50	0.00	0.00	0.00	77.12	0.00	0.00	0.000	0.000	0.006	0.000	0.000	0.000	0.995	0.000	0.000	1.00	
Brunswick Industrial Site	Construction - Grading and Paving	Dozer	Rubber Tired Dozers	1	4	6	6	103	Off-Road	0.07	0.29	2.54	0.01	0.01	0.01	553.94	0.18	0.08	0.001	0.004	0.033	0.000	0.000	0.000	7.146	0.002	0.001	7.51	
Brunswick Industrial Site	Construction - Grading and Paving	Grader	Graders	1	4	6	6	103	Off-Road	0.04	0.16	1.47	0.00	0.00	0.00	317.39	0.10	0.05	0.001	0.002	0.019	0.000	0.000	0.000	4.094	0.001	0.001	4.30	
Brunswick Industrial Site	Construction - Grading and Paving	Excavator	Excavators	1	4	6	6	103	Off-Road	0.11	0.43	3.87	0.01	0.01	0.01	826.02	0.27	0.12	0.001	0.006	0.050	0.000	0.000	0.000	10.656	0.003	0.002	11.20	
Brunswick Industrial Site	Construction - Grading and Paving	Front-end loader	Rubber Tired Loaders	1	4	6	6	103	Off-Road	0.06	0.25	2.22	0.00	0.01	0.01	472.37	0.15	0.07	0.001	0.003	0.029	0.000	0.000	0.000	6.094	0.002	0.001	6.41	
Brunswick Industrial Site	Construction - Grading and Paving	Rollor compactor	Rollers	1	4	6	6	103	Off-Road	0.02	0.07	0.99	0.00	0.00	0.00	127.04	0.04	0.02	0.000	0.001	0.013	0.000	0.000	0.000	1.639	0.001	0.000	1.72	
Brunswick Industrial Site	Construction - Grading and Paving	Paving Equipment	Paving Equipment	1	2	6	6	52	Off-Road	0.01	0.05	0.78	0.00	0.00	0.00	98.61	0.03	0.01	0.000	0.001	0.010	0.000	0.000	0.000	1.272	0.000	0.000	1.34	
Brunswick Industrial Site	Construction - Building	Skid steer / forklift	Skid Steer Loaders	3	6	6	6	464	Off-Road	0.12	0.99	1.10	0.00	0.03	0.03	154.88	0.05	0.02	0.002	0.013	0.014	0.000	0.000	0.000	1.998	0.001	0.000	2.10	
Brunswick Industrial Site	Construction - Building	Manlift	Aerial Lifts	1	6	6	6	155	Off-Road	0.01	0.23	0.26	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.003	0.000	0.000	0.000	0.555	0.000	0.000	0.58	
Brunswick Industrial Site	Construction - Building	Portable generator / welder	Welders	3	6	6	6	464	Off-Road	0.69	3.26	3.92	0.01	0.14	0.14	473.56	0.06	0.03	0.009	0.042	0.051	0.000	0.002	0.002	6.109	0.001	0.000	6.24	
Brunswick Industrial Site	Construction - Building	Forklift	Forklifts	2	4	6	6	206	Off-Road	0.04	0.17	2.61	0.00	0.00	0.00	332.64	0.11	0.05	0.001	0.002	0.034	0.000	0.000	0.000	4.291	0.001	0.001	4.51	
Brunswick Industrial Site	Construction - Building	Crane	Cranes	1	4	6	6	103	Off-Road	0.04	0.15	1.30	0.00	0.00	0.00	279.35	0.09	0.04	0.000	0.002	0.017	0.000	0.000	0.000	3.604	0.001	0.001	3.79	
Brunswick Industrial Site	Construction - Electrical and Mechanical	Skid steer / forklift	Skid Steer Loaders	3	6	6	6	464	Off-Road	0.12	0.99	1.10	0.00	0.03	0.03	154.88	0.05	0.02	0.002	0.013	0.014	0.000	0.000	0.000	1.998	0.001	0.000	2.10	
Brunswick Industrial Site	Construction - Electrical and Mechanical	Manlift	Aerial Lifts	1	6	6	6	155	Off-Road	0.01	0.23	0.26	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.003	0.000	0.000	0.000	0.555	0.000	0.000	0.58	
Brunswick Industrial Site	Construction - Electrical and Mechanical	Portable generator / welder	Welders	3	6	6	6	464	Off-Road	0.69	3.26	3.92	0.01	0.14	0.14	473.56	0.06	0.03	0.009	0.042	0.051	0.000	0.002	0.002	6.109	0.001	0.000	6.24	
Brunswick Industrial Site	Construction - Electrical and Mechanical	Forklift	Forklifts	2	4	6	6	206	Off-Road	0.04	0.17	2.61	0.00	0.00	0.00	332.64	0.11	0.05	0.001	0.002	0.034	0.000	0.000	0.000	4.291	0.001	0.001	4.51	
Brunswick Industrial Site	Construction - Electrical and Mechanical	Crane	Cranes	1	2	6	6	52	Off-Road	0.02	0.07	0.65	0.00	0.00	0.00	139.68	0.05	0.02	0.000	0.001	0.008	0.000	0.000	0.000	1.802	0.001	0.000	1.89	
E. Bennett Road	Construction - Potable Water Line	Portable generator / welder	Welders	3	6	6	6	464	Off-Road	0.69	3.26	3.92	0.01	0.14															

Idaho-Maryland Mine Project
Off-Road Equipment Emissions - Diesel-Fueled

Location	Project Phase	Equipment - Project-Specific Name	Equipment	# of Units	Hrs/Day	Days/Wk	Total Hours per Month	Category	Daily Emissions (lb/day)									Monthly Emissions (tons/month)									
									ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2E
Brunswick Industrial Site	Construction - Grading and Paving	Paving Equipment	Paving Equipment	1	2	6	52	Off-Road	0.01	0.05	0.78	0.00	0.00	0.00	98.61	0.03	0.01	0.000	0.001	0.010	0.000	0.000	0.000	1.272	0.000	0.000	1.34
Brunswick Industrial Site	Construction - Building	Skid steer / forklift	Skid Steer Loaders	3	6	6	464	Off-Road	0.12	0.99	1.10	0.00	0.03	0.03	154.88	0.05	0.02	0.002	0.013	0.014	0.000	0.000	0.000	1.998	0.001	0.000	2.10
Brunswick Industrial Site	Construction - Building	Manlift	Aerial Lifts	1	6	6	155	Off-Road	0.01	0.23	0.26	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.003	0.000	0.000	0.000	0.555	0.000	0.000	0.58
Brunswick Industrial Site	Construction - Building	Portable generator / welder	Welders	3	6	6	464	Off-Road	0.69	3.26	3.92	0.01	0.14	0.14	473.56	0.06	0.03	0.009	0.042	0.051	0.000	0.002	0.002	6.109	0.001	0.000	6.24
Brunswick Industrial Site	Construction - Building	Forklift	Forklifts	2	4	6	206	Off-Road	0.04	0.17	2.61	0.00	0.00	0.00	332.64	0.11	0.05	0.001	0.002	0.034	0.000	0.000	0.000	4.291	0.001	0.001	4.51
Brunswick Industrial Site	Construction - Building	Crane	Cranes	1	4	6	103	Off-Road	0.04	0.15	1.30	0.00	0.00	0.00	279.35	0.09	0.04	0.000	0.002	0.017	0.000	0.000	0.000	3.604	0.001	0.001	3.79
Brunswick Industrial Site	Construction - Electrical and Mechanical	Skid steer / forklift	Skid Steer Loaders	3	6	6	464	Off-Road	0.12	0.99	1.10	0.00	0.03	0.03	154.88	0.05	0.02	0.002	0.013	0.014	0.000	0.000	0.000	1.998	0.001	0.000	2.10
Brunswick Industrial Site	Construction - Electrical and Mechanical	Manlift	Aerial Lifts	1	6	6	155	Off-Road	0.01	0.23	0.26	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.003	0.000	0.000	0.000	0.555	0.000	0.000	0.58
Brunswick Industrial Site	Construction - Electrical and Mechanical	Portable generator / welder	Welders	3	6	6	464	Off-Road	0.69	3.26	3.92	0.01	0.14	0.14	473.56	0.06	0.03	0.009	0.042	0.051	0.000	0.002	0.002	6.109	0.001	0.000	6.24
Brunswick Industrial Site	Construction - Electrical and Mechanical	Forklift	Forklifts	2	4	6	206	Off-Road	0.04	0.17	2.61	0.00	0.00	0.00	332.64	0.11	0.05	0.001	0.002	0.034	0.000	0.000	0.000	4.291	0.001	0.001	4.51
Brunswick Industrial Site	Construction - Electrical and Mechanical	Crane	Cranes	1	2	6	52	Off-Road	0.02	0.07	0.65	0.00	0.00	0.00	139.68	0.05	0.02	0.000	0.001	0.008	0.000	0.000	0.000	1.802	0.001	0.000	1.89
E. Bennett Road	Construction - Transmission Line Extension	Forklift	Forklifts	2	4	6	206	Off-Road	0.04	0.17	2.61	0.00	0.00	0.00	332.64	0.11	0.05	0.001	0.002	0.034	0.000	0.000	0.000	4.291	0.001	0.001	4.51
E. Bennett Road	Construction - Transmission Line Extension	Manlift	Aerial Lifts	1	6	6	155	Off-Road	0.01	0.23	0.26	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.003	0.000	0.000	0.000	0.555	0.000	0.000	0.58
E. Bennett Road	Construction - Transmission Line Extension	Crane	Cranes	1	6	6	155	Off-Road	0.05	0.22	1.95	0.00	0.01	0.01	419.03	0.14	0.06	0.001	0.003	0.025	0.000	0.000	0.000	5.405	0.002	0.001	5.68
Aug-21									2.22	11.48	34.95	0.06	0.42	0.42	5,698.93	1.64	0.74	0.03	0.15	0.45	0.00	0.01	0.01	73.52	0.02	0.01	76.87
Sep-21									0.01	0.03	0.04	0.00	0.00	0.00	4.40	0.00	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.057	0.000	0.000	0.06
Brunswick Industrial Site	Construction - Foundation and Concrete	Walk behind Compactor	Rollers	1	1	6	26	Off-Road	0.01	0.03	0.50	0.00	0.00	0.00	77.12	0.00	0.00	0.000	0.000	0.006	0.000	0.000	0.000	0.995	0.000	0.000	1.00
Brunswick Industrial Site	Construction - Foundation and Concrete	Concrete Saw	Concrete/Industrial Saws	1	2	6	52	Off-Road	0.07	0.29	2.54	0.01	0.01	0.01	553.94	0.18	0.08	0.001	0.004	0.033	0.000	0.000	0.000	7.146	0.002	0.001	7.51
Brunswick Industrial Site	Construction - Grading and Paving	Dozer	Rubber Tired Dozers	1	4	6	103	Off-Road	0.04	0.16	1.47	0.00	0.00	0.00	317.39	0.10	0.05	0.001	0.002	0.019	0.000	0.000	0.000	4.094	0.001	0.001	4.30
Brunswick Industrial Site	Construction - Grading and Paving	Grader	Graders	1	4	6	103	Off-Road	0.11	0.43	3.87	0.01	0.01	0.01	826.02	0.27	0.12	0.001	0.006	0.050	0.000	0.000	0.000	10.656	0.003	0.002	11.20
Brunswick Industrial Site	Construction - Grading and Paving	Excavator	Excavators	1	4	6	103	Off-Road	0.06	0.25	2.22	0.00	0.01	0.01	472.37	0.15	0.07	0.001	0.003	0.029	0.000	0.000	0.000	6.094	0.002	0.001	6.41
Brunswick Industrial Site	Construction - Grading and Paving	Front-end loader	Rubber Tired Loaders	1	4	6	103	Off-Road	0.02	0.07	0.99	0.00	0.00	0.00	127.04	0.04	0.02	0.000	0.001	0.013	0.000	0.000	0.000	1.639	0.001	0.000	1.72
Brunswick Industrial Site	Construction - Grading and Paving	Rollor compactor	Rollers	1	4	6	103	Off-Road	0.01	0.05	0.78	0.00	0.00	0.00	98.61	0.03	0.01	0.000	0.001	0.010	0.000	0.000	0.000	1.272	0.000	0.000	1.34
Brunswick Industrial Site	Construction - Grading and Paving	Paving Equipment	Paving Equipment	1	2	6	52	Off-Road	0.12	0.99	1.10	0.00	0.03	0.03	154.88	0.05	0.02	0.002	0.013	0.014	0.000	0.000	0.000	1.998	0.001	0.000	2.10
Brunswick Industrial Site	Construction - Building	Skid steer / forklift	Skid Steer Loaders	3	6	6	464	Off-Road	0.01	0.23	0.26	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.003	0.000	0.000	0.000	0.555	0.000	0.000	0.58
Brunswick Industrial Site	Construction - Building	Manlift	Aerial Lifts	1	6	6	155	Off-Road	0.01	0.23	0.26	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.003	0.000	0.000	0.000	0.555	0.000	0.000	0.58
Brunswick Industrial Site	Construction - Building	Portable generator / welder	Welders	3	6	6	464	Off-Road	0.69	3.26	3.92	0.01	0.14	0.14	473.56	0.06	0.03	0.009	0.042	0.051	0.000	0.002	0.002	6.109	0.001	0.000	6.24
Brunswick Industrial Site	Construction - Building	Forklift	Forklifts	2	4	6	206	Off-Road	0.04	0.17	2.61	0.00	0.00	0.00	332.64	0.11	0.05	0.001	0.002	0.034	0.000	0.000	0.000	4.291	0.001	0.001	4.51
Brunswick Industrial Site	Construction - Building	Crane	Cranes	1	4	6	103	Off-Road	0.04	0.15	1.30	0.00	0.00	0.00	279.35	0.09	0.04	0.000	0.002	0.017	0.000	0.000	0.000	3.604	0.001	0.001	3.79
Brunswick Industrial Site	Construction - Electrical and Mechanical	Skid steer / forklift	Skid Steer Loaders	3	6	6	464	Off-Road	0.12	0.99	1.10	0.00	0.03	0.03	154.88	0.05	0.02	0.002	0.013	0.014	0.000	0.000	0.000	1.998	0.001	0.000	2.10
Brunswick Industrial Site	Construction - Electrical and Mechanical	Manlift	Aerial Lifts	1	6	6	155	Off-Road	0.01	0.23	0.26	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.003	0.000	0.000	0.000	0.555	0.000	0.000	0.58
Brunswick Industrial Site	Construction - Electrical and Mechanical	Portable generator / welder	Welders	3	6	6	464	Off-Road	0.69	3.26	3.92	0.01	0.14	0.14	473.56	0.06	0.03	0.009	0.042	0.051	0.000	0.002	0.002	6.109	0.001	0.000	6.24
Brunswick Industrial Site	Construction - Electrical and Mechanical	Forklift	Forklifts	2	4	6	206	Off-Road	0.04	0.17	2.61	0.00	0.00	0.00	332.64	0.11	0.05	0.001	0.002								

Idaho-Maryland Mine Project
Off-Road Equipment Emissions - Diesel-Fueled

Location	Project Phase	Equipment - Project-Specific Name	Equipment	# of Units	Hrs/Day	Days/Wk	Total Hours per Month	Category	Daily Emissions (lb/day)								Monthly Emissions (tons/month)										
									ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2E
Brunswick Industrial Site	Construction - Grading and Paving	Excavator	Excavators	1	4	6	103	Off-Road	0.11	0.43	3.87	0.01	0.01	0.01	826.02	0.27	0.12	0.001	0.006	0.050	0.000	0.000	0.000	10.656	0.003	0.002	11.20
Brunswick Industrial Site	Construction - Grading and Paving	Front-end loader	Rubber Tired Loaders	1	4	6	103	Off-Road	0.06	0.25	2.22	0.00	0.01	0.01	472.37	0.15	0.07	0.001	0.003	0.029	0.000	0.000	0.000	6.094	0.002	0.001	6.41
Brunswick Industrial Site	Construction - Grading and Paving	Roller compactor	Rollers	1	4	6	103	Off-Road	0.02	0.07	0.99	0.00	0.00	0.00	127.04	0.04	0.02	0.000	0.001	0.013	0.000	0.000	0.000	1.639	0.001	0.000	1.72
Brunswick Industrial Site	Construction - Grading and Paving	Paving Equipment	Paving Equipment	1	2	6	52	Off-Road	0.01	0.05	0.78	0.00	0.00	0.00	98.61	0.03	0.01	0.000	0.001	0.010	0.000	0.000	0.000	1.272	0.000	0.000	1.34
Brunswick Industrial Site	Construction - Building	Skid steer / forklift	Skid Steer Loaders	3	6	6	464	Off-Road	0.12	0.99	1.10	0.00	0.03	0.03	154.88	0.05	0.02	0.002	0.013	0.014	0.000	0.000	0.000	1.998	0.001	0.000	2.10
Brunswick Industrial Site	Construction - Building	Manlift	Aerial Lifts	1	6	6	155	Off-Road	0.01	0.23	0.26	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.003	0.000	0.000	0.000	0.555	0.000	0.000	0.58
Brunswick Industrial Site	Construction - Building	Portable generator / welder	Welders	3	6	6	464	Off-Road	0.69	3.26	3.92	0.01	0.14	0.14	473.56	0.06	0.03	0.009	0.042	0.051	0.000	0.002	0.002	6.109	0.001	0.000	6.24
Brunswick Industrial Site	Construction - Building	Forklift	Forklifts	2	4	6	206	Off-Road	0.04	0.17	2.61	0.00	0.00	0.00	332.64	0.11	0.05	0.001	0.002	0.034	0.000	0.000	0.000	4.291	0.001	0.001	4.51
Brunswick Industrial Site	Construction - Building	Crane	Cranes	1	4	6	103	Off-Road	0.04	0.15	1.30	0.00	0.00	0.00	279.35	0.09	0.04	0.000	0.002	0.017	0.000	0.000	0.000	3.604	0.001	0.001	3.79
Brunswick Industrial Site	Construction - Ironworkers	Forklift	Forklifts	2	4	6	206	Off-Road	0.04	0.17	2.61	0.00	0.00	0.00	332.64	0.11	0.05	0.001	0.002	0.034	0.000	0.000	0.000	4.291	0.001	0.001	4.51
Brunswick Industrial Site	Construction - Ironworkers	Crane	Cranes	1	4	6	103	Off-Road	0.04	0.15	1.30	0.00	0.00	0.00	279.35	0.09	0.04	0.000	0.002	0.017	0.000	0.000	0.000	3.604	0.001	0.001	3.79
Brunswick Industrial Site	Construction - Electrical and Mechanical	Skid steer / forklift	Skid Steer Loaders	3	6	6	464	Off-Road	0.12	0.99	1.10	0.00	0.03	0.03	154.88	0.05	0.02	0.002	0.013	0.014	0.000	0.000	0.000	1.998	0.001	0.000	2.10
Brunswick Industrial Site	Construction - Electrical and Mechanical	Manlift	Aerial Lifts	1	6	6	155	Off-Road	0.01	0.23	0.26	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.003	0.000	0.000	0.000	0.555	0.000	0.000	0.58
Brunswick Industrial Site	Construction - Electrical and Mechanical	Portable generator / welder	Welders	3	6	6	464	Off-Road	0.69	3.26	3.92	0.01	0.14	0.14	473.56	0.06	0.03	0.009	0.042	0.051	0.000	0.002	0.002	6.109	0.001	0.000	6.24
Brunswick Industrial Site	Construction - Electrical and Mechanical	Forklift	Forklifts	2	4	6	206	Off-Road	0.04	0.17	2.61	0.00	0.00	0.00	332.64	0.11	0.05	0.001	0.002	0.034	0.000	0.000	0.000	4.291	0.001	0.001	4.51
Brunswick Industrial Site	Construction - Electrical and Mechanical	Crane	Cranes	1	2	6	52	Off-Road	0.02	0.07	0.65	0.00	0.00	0.00	139.68	0.05	0.02	0.000	0.001	0.008	0.000	0.000	0.000	1.802	0.001	0.000	1.89
Brunswick Industrial Site - Underground Mine	Construction - Underground Mine	LHD Units - Sandvik LH204, Tier 4F	Rubber Tired Loaders	2	20	7	1204	Off-Road	0.26	1.08	16.28	0.02	0.03	0.03	2,072.26	0.67	0.30	0.004	0.016	0.245	0.000	0.000	0.000	31.187	0.010	0.005	32.79
Brunswick Industrial Site - Underground Mine	Construction - Underground Mine	Personelle Vehicles - Gator XUV855, Tier 4F	Other Construction Equipment	2	12	7	722	Off-Road	0.05	1.08	1.70	0.00	0.00	0.00	218.37	0.07	0.03	0.001	0.016	0.026	0.000	0.000	0.000	3.286	0.001	0.000	3.45
Dec-21									2.50	13.34	52.01	0.08	0.45	0.44	7,806.82	2.32	1.04	0.03	0.18	0.71	0.00	0.01	0.01	105.63	0.03	0.01	110.63

ANNUAL SUMMARY - MAXIMUM	3.25	15.97	54.08	0.10	0.60	0.60	8,925.30	2.55	1.14	0.04	0.21	0.72	0.00	0.01	0.01	115.14	0.03	0.01	120.35
ANNUAL TOTAL - TONS		0.41	2.10	7.17	0.01	0.08	0.07									1,135.31	0.33	0.15	1,187.46
ANNUAL TOTAL - METRIC TONS																1,029.94	0.30	0.13	1,077.25

Year 2022 - Year 2026	Engineered Fill to Centennial (5 yrs)								0.07	1.53	2.41	0.00	0.00	0.00	309.66	0.10	0.04	0.001	0.023	0.037	0.000	0.000	0.000	4.709	0.002	0.001	4.95
Brunswick Industrial Site	Operations - Brunswick Site	Skid steer / forklift, Tier 4F	Skid Steer Loaders	3	12	7	1095	Off-Road	0.06	0.25	2.22	0.00	0.01	0.01	472.57	0.15	0.07	0.001	0.004	0.034	0.000	0.000	0.000	7.187	0.002	0.001	7.56
Brunswick Industrial Site	Operations - Brunswick Site	Front-end loader, Tier 4F	Rubber Tired Loaders	1	4	7	122	Off-Road	0.01	0.21	0.34	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.005	0.000	0.000	0.000	0.655	0.000	0.000	0.69
Brunswick Industrial Site	Operations - Brunswick Site	Manlift, Tier 4F	Aerial Lifts	1	6	7	183	Off-Road	0.10	0.39	5.87	0.01	0.01	0.01	753.29	0.24	0.11	0.001	0.006	0.089	0.000	0.000	0.000	11.456	0.004	0.002	12.04
Brunswick Industrial Site	Operations - Brunswick Site	Rough Terrain Crane (50t), Tier 4F	Cranes	1	12	7	365	Off-Road	0.13	2.90	4.56	0.01	0.01	0.01	631.42	0.08	0.03	0.002	0.044	0.069	0.000	0.000	0.000	9.603	0.001	0.001	9.79
Brunswick Industrial Site	Operations - Brunswick Site	Portable generator / welder, Tier 4F	Welders	3	8	7	730	Off-Road	0.07	0.29	2.54	0.01	0.01	0.01	554.31	0.18	0.08	0.001	0.004	0.039	0.000	0.000	0.000	8.430	0.003	0.001	8.86
Centennial Industrial Site	Operations - Centennial Fill Placement	Dozer, Tier 4F	Rubber Tired Dozers	1	4	7	122	Off-Road	0.11	0.43	3.87	0.01	0.01	0.01	825.57	0.27	0.12	0.002	0.007	0.059	0.000	0.000	0.000	12.556	0.004	0.002	13.20
Centennial Industrial Site	Operations - Centennial Fill Placement	Excavator, Tier 4F	Excavators	1	4	7	122	Off-Road	0.01	0.31	0.44	0.00	0.00	0.00	67.65	0.00	0.00	0.000	0.005	0.007	0.000	0.000	0.000	1.029	0.000	0.000	1.04
Centennial Industrial Site	Operations - Centennial Fill Placement	Mobile Tire pressure washing system, Tier 4F	Pumps	1	3	7	91	Off-Road	0.09	0.37	3.26	0.01	0.01	0.01	700.61	0.23	0.10	0.001	0.006	0.050	0.000	0.000	0.000	10.655	0.003	0.002	11.20
Centennial Industrial Site	Operations - Centennial Fill Placement	Mobile auger blending plant, Tier 4F	Other General Industrial Equipm	1	4	7	122	On-Road	0.65	6.67	25.51	0.05	0.06	0.06	4,358.13	1.26	0.57	0.01	0.10	0.39	0.00	0.00	0.00	66.28	0.02	0.01	69.32
Year 2022 - Year 2026									0.65	6.67	25.51	0.05	0.06	0.06	4,358.13	1.26	0.57	0.12	1.22	4.66	0.01	0.01	0.01	795.36	0.23	0.10	831.90

ANNUAL SUMMARY - MAXIMUM	0.65	6.67	25.51	0.05	0.06	0.06	4,358.13	1.26	0.57	0.01	0.10	0.39	0.00	0.00	0.00	66.28	0.02	0.01	69.32
ANNUAL TOTAL - TONS																721.54	0.21	0.09	754.68
ANNUAL TOTAL - METRIC TONS																			

Year 2027 - Year 2032	Engineered Fill to Brunswick (6 yrs)								0.07	1.53	2.41	0.00	0.00	0.00	310.00	0.10	0.04	0.001	0.023	0.037	0.000	0.000	0.000	4.715	0.002	0.001	4.96
Brunswick Industrial Site	Operations - Brunswick Site	Skid steer / forklift, Tier 4F	Skid Steer Loaders	3	12	7	1095	Off-Road	0.06	0.25	2.22	0.00	0.01	0.01	473.59	0.15	0.07	0.001	0.004	0.034	0.000	0.000	0.000	7.203	0.002	0.001	7.57
Brunswick Industrial Site	Operations - Brunswick Site	Front-end loader, Tier 4F	Rubber Tired Loaders	1	4	7	122	Off-Road	0.01	0.21	0.34	0.00	0.00	0.00	43.06	0.01	0.01	0.000	0.003	0.005	0.000	0.000	0.000	0.655	0.000	0.000	0.69
Brunswick Industrial Site	Operations - Brunswick Site	Manlift, Tier 4F	Aerial Lifts	1	6	7	183	Off-Road	0.10	0.39	5.87	0.01	0.01	0.01	753.54	0.24	0.11	0.001	0.006	0.089	0.000	0.000	0.000	11.460	0.004	0.002	12.05
Brunswick Industrial Site	Operations - Brunswick Site	Rough Terrain Crane (50t), Tier 4F	Cranes	1	12	7	365	Off-Road	0.13	2.90	4.56	0.01	0.01	0.01	631.42	0.06	0.03	0.002	0.044	0.069	0.000	0.000	0.000	9.603	0.001	0.000	9.75
Brunswick Industrial Site	Operations - Brunswick Site	Portable generator / welder, Tier 4F	Welders	3	8	7	730	Off-Road	0.07	0.29	2.54	0.01	0.01	0.01	554.06	0.18	0.08	0.001	0.004	0.039	0.000	0.000	0.000	8.426	0.003	0.001	8.86
Centennial Industrial Site	Operations - Brunswick Fill Placement	Dozer, Tier 4F	Rubber Tired Dozers	1	4	7	122	Off-Road	0.11	0.43	3.87	0.01	0.01	0.01	824.28	0.27	0.12	0.002	0.007	0.059	0.000	0.000	0.000	12.536	0.004	0.002	13.18
Centennial Industrial Site	Operations - Brunswick Fill Placement	Excavator, Tier 4F	Excavators	1	4	7	122	Off-Road	0.01	0.31	0.44	0.00	0.00	0.00	67.65	0.00	0.00	0.000	0.005	0.007	0.000	0.000	0.000	1.029	0.000	0.000	1.04
Centennial Industrial Site	Operations - Brunswick Fill Placement	Mobile Tire pressure washing system, Tier 4F	Pumps	1	3	7	91	Off-Road	0.09	0.37	3.26	0.01	0.01	0.01	700.61	0.23	0.10	0.001	0.006	0.050	0.000	0.000	0.000	10.655	0.003	0.002	11.20
Centennial Industrial Site	Operations - Brunswick Fill Placement	Mobile auger blending plant, Tier 4F	Other General Industrial Equipm	1	4	7	122	On-Road	0.65	6.67	25.51	0.05	0.06	0.06	4,358.22	1.25	0.56	0.01	0.10	0.39	0.00	0.00	0.00	66.28	0.02	0.01	69.29
Year 2027 - Year 2032									0.65	6.67	25.51	0.05	0.06	0.06	4,358.22	1.25	0.56	0.12	1.22	4.66	0.01	0.01	0.01	795.37	0.23	0.10	831.44

ANNUAL SUMMARY - MAXIMUM	

Idaho-Maryland Mine Project
Off-Road Equipment Emissions - Diesel-Fueled

Location	Project Phase	Equipment - Project-Specific Name	Equipment	# of Units	Hrs/Day	Days/Wk	Total Hours per Month	Category	Daily Emissions (lb/day)								Monthly Emissions (tons/month)										
									ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2E
Year 2033 - Year 2102		Engineered Fill to Off-Site Industrial																									
Brunswick Industrial Site	Operations - Brunswick Site	Skid steer / forklift, Tier 4F	Skid Steer Loaders	3	12	7	1095	Off-Road	0.07	1.53	2.41	0.00	0.00	0.00	333.75	0.04	0.02	0.001	0.023	0.037	0.000	0.000	0.000	5.076	0.001	0.000	5.16
Brunswick Industrial Site	Operations - Brunswick Site	Front-end loader, Tier 4F	Rubber Tired Loaders	1	4	7	122	Off-Road	0.06	0.25	2.22	0.00	0.01	0.01	473.59	0.15	0.07	0.001	0.004	0.034	0.000	0.000	0.000	7.203	0.002	0.001	7.57
Brunswick Industrial Site	Operations - Brunswick Site	Manlift, Tier 4F	Aerial Lifts	1	6	7	183	Off-Road	0.01	0.21	0.34	0.00	0.00	0.00	46.60	0.01	0.00	0.000	0.003	0.005	0.000	0.000	0.000	0.709	0.000	0.000	0.72
Brunswick Industrial Site	Operations - Brunswick Site	Rough Terrain Crane (50t), Tier 4F	Cranes	1	12	7	365	Off-Road	0.10	0.39	5.87	0.01	0.01	0.01	902.03	0.03	0.02	0.001	0.006	0.089	0.000	0.000	0.000	13.718	0.001	0.000	13.80
Brunswick Industrial Site	Operations - Brunswick Site	Portable generator / welder, Tier 4F	Welders	3	8	7	730	Off-Road	0.13	2.90	4.56	0.01	0.01	0.01	631.42	0.04	0.02	0.002	0.044	0.069	0.000	0.000	0.000	9.603	0.001	0.000	9.71
Year 2033 - Year 2102			TOTAL				2494		0.37	5.28	15.39	0.03	0.03	0.03	2,387.39	0.27	0.12	0.01	0.08	0.23	0.00	0.00	0.00	36.31	0.00	0.00	36.97
ANNUAL SUMMARY - MAXIMUM									0.37	5.28	15.39	0.03	0.03	0.03	2,387.39	0.27	0.12	0.01	0.08	0.23	0.00	0.00	0.00	36.31	0.00	0.00	36.97
ANNUAL TOTAL - TONS										0.07	0.96	2.81	0.00	0.01	0.01								435.70	0.05	0.02	443.61	
ANNUAL TOTAL - METRIC TONS																								395.26	0.05	0.02	402.44
Year 2103		Reclamation																									
Brunswick Industrial Site	Reclamation - Brunswick Site	Forklift	Forklifts	2	4	6	206	Off-Road	0.04	0.17	2.61	0.00	0.00	0.00	400.90	0.02	0.01	0.001	0.002	0.034	0.000	0.000	0.000	5.172	0.000	0.000	5.21
Brunswick Industrial Site	Reclamation - Brunswick Site	Crane	Cranes	1	4	6	103	Off-Road	0.04	0.15	1.30	0.00	0.00	0.00	335.70	0.01	0.01	0.000	0.002	0.017	0.000	0.000	0.000	4.331	0.000	0.000	4.35
Year 2103			TOTAL				310		0.08	0.32	3.91	0.01	0.01	0.01	736.61	0.03	0.01	0.00	0.00	0.05	0.00	0.00	0.00	9.50	0.00	0.00	9.56
ANNUAL SUMMARY - MAXIMUM (ASSUMING 3 MONTHS FOR RECLAMATION)									0.08	0.32	3.91	0.01	0.01	0.01	736.61	0.03	0.01	0.00	0.00	0.05	0.00	0.00	0.00	9.50	0.00	0.00	9.56
ANNUAL TOTAL - TONS (ASSUMING 3 MONTHS FOR RECLAMATION)										0.00	0.01	0.15	0.00	0.00	0.00									28.51	0.00	0.00	28.69
ANNUAL TOTAL - METRIC TONS (ASSUMING 3 MONTHS FOR RECLAMATION)																								25.86	0.00	0.00	26.02

On-Road Vehicles - 2021
OffSite

2021 Construction Mobile Source Assumptions Summary

Project Management, Engineers, Surveyors, and Fuel

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	15	8	120	2,496	37,440
Fuel Trucks	MHDT	3.5	2	7	208	728

Workers	LDA, LDT1 & LDT2 Composite	16.8	12	202	3,744	62,899

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	15	8	120	2,496	37,440
Fuel Trucks	MHDT	3.5	2	7	208	728

Workers	LDA, LDT1 & LDT2 Composite	16.8	12	202	3,744	62,899

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)

Pick-up Trucks	LHDT2	4	1,248
Fuel Trucks	MHDT	1	104

Workers	LDA, LDT1 & LDT2 Composite	6	1,872

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	20	6,240
Fuel Trucks	MHDT	5	520

Foundation and Concrete Contractor

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Concrete Trucks	MHDT	5	2	10	624	3,120
Pick-up Trucks	LHDT2	15	8	120	2,496	37,440

Workers	LDA, LDT1 & LDT2 Composite	16.8	16	269	4,992	83,866

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Concrete Trucks	MHDT	5	2	10	624	3,120
Pick-up Trucks	LHDT2	15	8	120	2,496	37,440

Workers	LDA, LDT1 & LDT2 Composite	16.8	16	269	4,992	83,866

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)

Concrete Trucks	MHDT	1	312
Pick-up Trucks	LHDT2	4	1,248

Workers	LDA, LDT1 & LDT2 Composite	8	2,496

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Concrete Trucks	MHDT	5	1,560
Pick-up Trucks	LHDT2	20	6,240

2021 Construction Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
Running Exhaust, Tire Wear, and Break Wear										
	0.17	0.51	0.86	0.00	0.04	0.03	417.81	0.01	0.04	431.02
	0.00	0.06	0.01	0.00	0.00	0.00	17.52	0.00	0.00	18.35
	0.01	0.05	0.53	0.00	0.02	0.01	138.57	0.00	0.00	139.86
	0.19	0.63	1.39	0.01	0.07	0.04	573.90	0.01	0.05	589.23

	PM10	PM2.5
Paved Road - PM only		
	0.08	0.02
	0.00	0.00
	0.13	0.03
	0.22	0.05

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.02	0.00	0.04	0.00	0.00	0.00	0.00	0.88	0.00	0.00
0.02	0.01	0.05	0.00	0.00	0.00	0.00	0.93	0.00	0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
	0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.02	0.00	0.00	0.00	0.00	2.10	0.00	0.00
	0.01	0.07	0.04	0.00	0.00	0.00	2.10	0.00	0.00

Project Management, Engineers, Surveyors, and Fuel	TOTAL	0.22	0.71	1.48	0.01	0.29	0.09	576.93	0.01	0.05	592.55

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.01	0.09	0.01	0.00	0.01	0.00	25.04	0.00	0.00	26.21
0.17	0.51	0.86	0.00	0.04	0.03	417.81	0.01	0.04	431.02
0.02	0.07	0.70	0.00	0.03	0.01	184.76	0.00	0.01	186.48
0.19	0.68	1.57	0.01	0.08	0.04	627.60	0.01	0.05	643.72

	PM10	PM2.5
Paved Road - PM only		
	0.02	0.01
	0.08	0.02
	0.18	0.04
	0.28	0.07

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
0.03	0.01	0.06	0.00	0.00	0.00		1.18	0.00	0.00
0.03	0.01	0.06	0.00	0.00	0.00		1.22	0.00	0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
Idling										
	0.00	0.02	0.00	0.00	0.00		2.10	0.00	0.00	2.20
	0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.01	0.07	0.04	0.00	0.00	0.00	2.10	0.00	0.00	2.20

Foundation and Concrete Contractor	TOTAL	0.23	0.76	1.67	0.01	0.36	0.11	630.92	0.02	0.05	647.39

2021 Construction Mobile Source Assumptions Summary

Grading & Paving Contractor

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	5	2	10	624	3,120
Haul Trucks - Import Fill	HHDT	6.5	78	507	1,550	10,075

Workers	LDA, LDT1 & LDT2 Composite	16.8	12	202	3,744	62,899

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	5	2	10	624	3,120
Haul Trucks - Import Fill	HHDT	6.5	78	507	1,550	10,075

Workers	LDA, LDT1 & LDT2 Composite	16.8	12	202	3,744	62,899

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Haul Trucks	HHDT	1	312
Haul Trucks	HHDT	39	775

Workers	LDA, LDT1 & LDT2 Composite	6	1,872

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	5	1,560
Haul Trucks - Import Fill	HHDT	195	3,875

Building Contractor

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	15	8	120	2,496	37,440

Workers	LDA, LDT1 & LDT2 Composite	16.8	20	336	6,240	104,832

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	15	8	120	2,496	37,440

Workers	LDA, LDT1 & LDT2 Composite	16.8	20	336	6,240	104,832

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Pick-up Trucks	LHDT2	4	1,248

Workers	LDA, LDT1 & LDT2 Composite	10	3,120

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	20	6,240

2021 Construction Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.00	0.08	0.01	0.00	0.00	0.00	32.12	0.00	0.01	33.63
0.12	4.27	0.48	0.02	0.17	0.10	1,628.71	0.01	0.26	1,705.14

Subtotal	0.01	0.05	0.53	0.00	0.02	0.01	138.57	0.00	0.00	139.86
Subtotal	0.13	4.41	1.02	0.02	0.19	0.11	1,799.40	0.01	0.27	1,878.63

PM10	PM2.5
Paved Road - PM only	
0.02	0.01
1.18	0.29

Subtotal	0.13	0.03
Subtotal	1.34	0.33

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.00	0.01	0.01	0.00	0.00	0.00	1.67	0.00	0.00	1.75
0.03	0.34	0.35	0.00	0.00	0.00	65.27	0.00	0.01	68.35

Subtotal	0.03	0.35	0.36	0.00	0.00	0.00	66.94	0.00	0.01	70.11

Grading & Paving Contractor	TOTAL	0.16	4.95	1.38	0.02	1.53	0.44	1,866.34	0.01	0.28	1,948.74

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.17	0.51	0.86	0.00	0.04	0.03	417.81	0.01	0.04	431.02

Subtotal	0.02	0.09	0.88	0.00	0.03	0.01	230.94	0.00	0.01	233.10
Subtotal	0.19	0.61	1.74	0.01	0.08	0.04	648.75	0.01	0.05	664.12

PM10	PM2.5
Paved Road - PM only	
0.08	0.02

Subtotal	0.22	0.05
Subtotal	0.30	0.07

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.07

Subtotal	0.03	0.01	0.07	0.00	0.00	0.00	1.47	0.00	0.00	1.76
Subtotal	0.03	0.01	0.07	0.00	0.00	0.00	1.52	0.00	0.00	1.83

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Subtotal	0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Building Contractor	TOTAL	0.23	0.66	1.84	0.01	0.38	0.12	650.27	0.02	0.05	665.95

2021 Construction Mobile Source Assumptions Summary

Ironworkers (Headframes)

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	15	8	120	400	6,000
Workers	LDA, LDT1 & LDT2 Composite	16.8	16	269	800	13,440

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	15	8	120	400	6,000
Workers	LDA, LDT1 & LDT2 Composite	16.8	16	269	800	13,440

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Pick-up Trucks	LHDT2	4	200
Workers	LDA, LDT1 & LDT2 Composite	8	400

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	20	1,000

Electrical & Mechanical Contractors

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	15	8	120	2,496	37,440
Workers	LDA, LDT1 & LDT2 Composite	16.8	20	336	6,240	104,832

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	15	8	120	2,496	37,440
Workers	LDA, LDT1 & LDT2 Composite	16.8	20	336	6,240	104,832

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Pick-up Trucks	LHDT2	4	1,248
Workers	LDA, LDT1 & LDT2 Composite	10	3,120

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	20	6,240

2021 Construction Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.17	0.51	0.86	0.00	0.04	0.03	417.81	0.01	0.04	431.02
0.02	0.07	0.70	0.00	0.03	0.01	184.76	0.00	0.01	186.48
Subtotal	0.19	0.59	1.56	0.01	0.07	602.56	0.01	0.05	617.50

PM10	PM2.5
Paved Road - PM only	
0.08	0.02
0.18	0.04
Subtotal	0.26

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.07
0.03	0.01	0.06	0.00	0.00	0.00	1.18	0.00	0.00	1.41
Subtotal	0.03	0.01	0.06	0.00	0.00	1.22	0.00	0.00	1.48

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00

Ironworkers (Headframes)	TOTAL	0.22	0.64	1.65	0.01	0.33	0.10	603.78	0.02	0.05	618.98

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.17	0.51	0.86	0.00	0.04	0.03	417.81	0.01	0.04	431.02
0.02	0.09	0.88	0.00	0.03	0.01	230.94	0.00	0.01	233.10
Subtotal	0.19	0.61	1.74	0.01	0.08	648.75	0.01	0.05	664.12

PM10	PM2.5
Paved Road - PM only	
0.08	0.02
0.22	0.05
Subtotal	0.30

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.07
0.03	0.01	0.07	0.00	0.00	0.00	1.47	0.00	0.00	1.76
Subtotal	0.03	0.01	0.07	0.00	0.00	1.52	0.00	0.00	1.83

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00

Electrical & Mechanical Contractors	TOTAL	0.23	0.66	1.84	0.01	0.38	0.12	650.27	0.02	0.05	665.95

2021 Construction Mobile Source Assumptions Summary

Potable Water Installation Contractor

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	20	2	40	204	4,080
Workers	LDA, LDT1 & LDT2 Composite	16.8	12	202	1,224	20,563

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	20	2	40	204	4,080
Workers	LDA, LDT1 & LDT2 Composite	16.8	12	202	1,224	20,563

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Haul Trucks	HHDT	1	102
Workers	LDA, LDT1 & LDT2 Composite	6	612

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	5	510

PG&E Powerline Extension

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	20	2	40	156	3,120
Workers	LDA, LDT1 & LDT2 Composite	16.8	10	168	780	13,104

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	20	2	40	156	3,120
Workers	LDA, LDT1 & LDT2 Composite	16.8	10	168	780	13,104

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Haul Trucks	HHDT	1	78
Workers	LDA, LDT1 & LDT2 Composite	5	390

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	5	390

2021 Construction Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.01	0.34	0.04	0.00	0.01	0.01	128.50	0.00	0.02	134.53
0.01	0.05	0.53	0.00	0.02	0.01	138.57	0.00	0.00	139.86
Subtotal	0.02	0.39	0.57	0.00	0.03	267.06	0.00	0.02	274.39

PM10	PM2.5
Paved Road - PM only	
0.09	0.02
0.13	0.03
Subtotal	0.23
0.06	

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.02	0.00	0.04	0.00	0.00	0.00	0.88	0.00	0.00	1.06
Subtotal	0.02	0.01	0.04	0.00	0.00	0.88	0.00	0.00	1.06

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.00	0.01	0.01	0.00	0.00	0.00	1.67	0.00	0.00	1.75
Subtotal	0.00	0.01	0.01	0.00	0.00	1.67	0.00	0.00	1.75

Potable Water Installation Contractor TOTAL 0.04 0.41 0.62 0.00 0.26 0.07 269.62 0.00 0.03 277.20

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.01	0.34	0.04	0.00	0.01	0.01	128.50	0.00	0.02	134.53
0.01	0.05	0.44	0.00	0.02	0.01	115.47	0.00	0.00	116.55
Subtotal	0.02	0.38	0.48	0.00	0.03	243.97	0.00	0.02	251.08

PM10	PM2.5
Paved Road - PM only	
0.09	0.02
0.11	0.03
Subtotal	0.20
0.05	

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.02	0.00	0.04	0.00	0.00	0.00	0.74	0.00	0.00	0.88
Subtotal	0.02	0.01	0.04	0.00	0.00	0.74	0.00	0.00	0.88

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.00	0.01	0.01	0.00	0.00	0.00	1.67	0.00	0.00	1.75
Subtotal	0.00	0.01	0.01	0.00	0.00	1.67	0.00	0.00	1.75

PG&E Powerline Extension TOTAL 0.04 0.40 0.52 0.00 0.24 0.07 246.38 0.00 0.02 253.71

2021 Construction Mobile Source Assumptions Summary

Underground Shaft Contractors						
Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Workers	LDA, LDT1 & LDT2 Composite	16.8	10	168	2,740	46,032
Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Workers	LDA, LDT1 & LDT2 Composite	16.8	10	168	2,740	46,032
Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)			
Workers	LDA, LDT1 & LDT2 Composite	5	1,370			
Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)			

Raise Bore Contractor						
Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Workers	LDA, LDT1 & LDT2 Composite	16.8	8	134	480	8,064
Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Workers	LDA, LDT1 & LDT2 Composite	16.8	8	134	480	8,064
Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)			
Workers	LDA, LDT1 & LDT2 Composite	4	240			
Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)			

2021 Construction Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)										
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Running Exhaust, Tire Wear, and Break Wear									
	0.01	0.05	0.44	0.00	0.02	0.01	115.47	0.00	0.00	116.55
Subtotal	0.01	0.05	0.44	0.00	0.02	0.01	115.47	0.00	0.00	116.55
	Paved Road - PM only									
					0.11	0.03				
Subtotal					0.11	0.03				
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
	0.02	0.00	0.04	0.00	0.00	0.00	0.74	0.00	0.00	0.88
Subtotal	0.02	0.00	0.04	0.00	0.00	0.00	0.74	0.00	0.00	0.88
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Idling									
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Underground Shaft Contractors TOTAL	0.03	0.05	0.48	0.00	0.13	0.03	116.21	0.00	0.00	117.43
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Running Exhaust, Tire Wear, and Break Wear									
	0.01	0.04	0.35	0.00	0.01	0.01	92.38	0.00	0.00	93.24
Subtotal	0.01	0.04	0.35	0.00	0.01	0.01	92.38	0.00	0.00	93.24
	Paved Road - PM only									
					0.09	0.02				
Subtotal					0.09	0.02				
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
	0.01	0.00	0.03	0.00	0.00	0.00	0.59	0.00	0.00	0.70
Subtotal	0.01	0.00	0.03	0.00	0.00	0.00	0.59	0.00	0.00	0.70
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Idling									
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Raise Bore Contractor TOTAL	0.02	0.04	0.38	0.00	0.10	0.03	92.97	0.00	0.00	93.95

2021 Construction Mobile Source Assumptions Summary

Underground Construction						
Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Workers	LDA, LDT1 & LDT2 Composite	16.8	10	168	1,210	20,328
Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Workers	LDA, LDT1 & LDT2 Composite	16.8	10	168	1,210	20,328
Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)			
Workers	LDA, LDT1 & LDT2 Composite	5	605			
Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)			

2021 Construction Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)										
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Running Exhaust, Tire Wear, and Break Wear									
	0.01	0.05	0.44	0.00	0.02	0.01	115.47	0.00	0.00	116.55
Subtotal	0.01	0.05	0.44	0.00	0.02	0.01	115.47	0.00	0.00	116.55
	Paved Road - PM only									
					0.11	0.03				
Subtotal					0.11	0.03				
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
	0.02	0.00	0.04	0.00	0.00	0.00	0.74	0.00	0.00	0.88
Subtotal	0.02	0.00	0.04	0.00	0.00	0.00	0.74	0.00	0.00	0.88
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Idling									
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Underground Construction TOTAL	0.03	0.05	0.48	0.00	0.13	0.03	116.21	0.00	0.00	117.43

Emissions - Daily (Pounds/Day)

SUMMARY										
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Project Management, Engineers, Surveyors, and Fuel	0.2154	0.7117	1.4793	0.0056	0.2868	0.0929	576.9273	0.0145	0.0512	592.5542
Foundation and Concrete Contractor	0.2274	0.7586	1.6737	0.0061	0.3584	0.1123	630.9216	0.0159	0.0539	647.3912
Grading & Paving Contractor	0.1606	4.9487	1.3795	0.0177	1.5346	0.4384	1866.3411	0.0095	0.2757	1948.7402
Building Contractor	0.2319	0.6620	1.8450	0.0063	0.3812	0.1171	650.2686	0.0169	0.0512	665.9495
Ironworkers (Headframes)	0.2216	0.6423	1.6548	0.0059	0.3298	0.1032	603.7849	0.0156	0.0497	618.9767
Electrical & Mechanical Contractors	0.2319	0.6620	1.8450	0.0063	0.3812	0.1171	650.2686	0.0169	0.0512	665.9495
Potable Water Installation Contractor	0.0410	0.4096	0.6174	0.0026	0.2609	0.0721	269.6226	0.0043	0.0251	277.1987
PG&E Powerline Extension	0.0358	0.3997	0.5223	0.0024	0.2352	0.0652	246.3807	0.0037	0.0243	253.7123
Underground Shaft Contractors	0.0257	0.0492	0.4754	0.0011	0.1284	0.0346	116.2093	0.0032	0.0038	117.4318
Raise Bore Contractor	0.0206	0.0393	0.3803	0.0009	0.1027	0.0276	92.9675	0.0026	0.0031	93.9455
Underground Construction	0.0257	0.0492	0.4754	0.0011	0.1284	0.0346	116.2093	0.0032	0.0038	117.4318
Jan-21	1.07	7.74	8.22	0.04	2.94	0.88	4374.73	0.07	0.48	4520.58
Feb-21	1.33	8.79	10.49	0.05	3.53	1.05	5248.13	0.09	0.56	5416.76
Mar-21	1.33	8.79	10.49	0.05	3.53	1.05	5248.13	0.09	0.56	5416.76
Apr-21	1.11	8.15	8.84	0.04	3.20	0.95	4644.35	0.08	0.51	4797.78
May-21	1.11	8.15	8.84	0.04	3.20	0.95	4644.35	0.08	0.51	4797.78
Jun-21	1.07	7.74	8.22	0.04	2.94	0.88	4374.73	0.07	0.48	4520.58
Jul-21	1.09	7.79	8.70	0.04	3.07	0.91	4490.94	0.08	0.49	4638.02
Aug-21	1.15	8.23	9.60	0.05	3.41	1.01	4830.28	0.08	0.51	4985.67
Sep-21	1.18	8.28	10.08	0.05	3.54	1.04	4946.49	0.09	0.52	5103.11
Oct-21	1.12	7.84	9.17	0.04	3.20	0.95	4607.15	0.08	0.49	4755.45
Nov-21	1.34	8.48	10.83	0.05	3.53	1.05	5210.93	0.10	0.54	5374.42
Dec-21	1.34	8.48	10.83	0.05	3.53	1.05	5210.93	0.10	0.54	5374.42
Maximum	1.34	8.79	10.83	0.05	3.54	1.05	5248.13	0.10	0.56	5416.76

2021 Construction Mobile Source Assumptions Summary

Project Management, Engineers, Surveyors, and Fuel

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	15	8	120	2,496	37,440
Fuel Trucks	MHDT	3.5	2	7	208	728

Workers	LDA, LDT1 & LDT2 Composite	16.8	12	202	3,744	62,899

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	15	8	120	2,496	37,440
Fuel Trucks	MHDT	3.5	2	7	208	728

Workers	LDA, LDT1 & LDT2 Composite	16.8	12	202	3,744	62,899

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)

Pick-up Trucks	LHDT2	4	1,248
Fuel Trucks	MHDT	1	104

Workers	LDA, LDT1 & LDT2 Composite	6	1,872

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	20	6,240
Fuel Trucks	MHDT	5	520

Foundation and Concrete Contractor

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Concrete Trucks	MHDT	5	2	10	624	3,120
Pick-up Trucks	LHDT2	15	8	120	2,496	37,440

Workers	LDA, LDT1 & LDT2 Composite	16.8	16	269	4,992	83,866

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Concrete Trucks	MHDT	5	2	10	624	3,120
Pick-up Trucks	LHDT2	15	8	120	2,496	37,440

Workers	LDA, LDT1 & LDT2 Composite	16.8	16	269	4,992	83,866

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)

Concrete Trucks	MHDT	1	312
Pick-up Trucks	LHDT2	4	1,248

Workers	LDA, LDT1 & LDT2 Composite	8	2,496

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Concrete Trucks	MHDT	5	1,560
Pick-up Trucks	LHDT2	20	6,240

2021 Construction Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
	0.03	0.08	0.13	0.00	0.01	0.00	65.18	0.00	0.01
	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.00	0.00

Subtotal	0.00	0.01	0.08	0.00	0.00	0.00	21.62	0.00	0.00
	0.03	0.09	0.22	0.00	0.01	0.01	87.71	0.00	0.01

PM10	PM2.5
Paved Road - PM only	
	0.01
	0.00

Subtotal	0.02	0.01
	0.03	0.01

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Subtotal	0.00	0.00	0.01	0.00	0.00	0.00	0.13	0.00	0.00
	0.00	0.00	0.01	0.00	0.00	0.00	0.13	0.00	0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00

Subtotal	0.00	0.01	0.01	0.00	0.00	0.00	0.10	0.00	0.00
	0.00	0.01	0.01	0.00	0.00	0.00	0.10	0.00	0.00

Project Management, Engineers, Surveyors, and Fuel	TOTAL	0.03	0.10	0.23	0.00	0.04	0.01	87.94	0.00	0.01	90.27

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
	0.00	0.01	0.00	0.00	0.00	0.00	3.91	0.00	0.00
	0.03	0.08	0.13	0.00	0.01	0.00	65.18	0.00	0.01

Subtotal	0.00	0.01	0.11	0.00	0.00	0.00	28.82	0.00	0.00
	0.03	0.11	0.25	0.00	0.01	0.01	97.91	0.00	0.01

PM10	PM2.5
Paved Road - PM only	
	0.00
	0.01

Subtotal	0.03	0.01
	0.04	0.01

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Subtotal	0.00	0.00	0.01	0.00	0.00	0.00	0.17	0.00	0.00
	0.00	0.00	0.01	0.00	0.00	0.00	0.17	0.00	0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00
	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00

Subtotal	0.00	0.01	0.01	0.00	0.00	0.00	0.30	0.00	0.00
	0.00	0.01	0.01	0.00	0.00	0.00	0.30	0.00	0.00

Foundation and Concrete Contractor	TOTAL	0.04	0.12	0.26	0.00	0.06	0.02	98.38	0.00	0.01	100.94

2021 Construction Mobile Source Assumptions Summary

Grading & Paving Contractor

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	5	2	10	624	3,120
Haul Trucks - Import Fill	HHDT	6.5	78	507	1,550	10,075

Workers LDA, LDT1 & LDT2 Composite 16.8 12 202 3,744 62,899

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	5	2	10	624	3,120
Haul Trucks - Import Fill	HHDT	6.5	78	507	1,550	10,075

Workers LDA, LDT1 & LDT2 Composite 16.8 12 202 3,744 62,899

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Haul Trucks	HHDT	1	312
Haul Trucks	HHDT	39	775

Workers LDA, LDT1 & LDT2 Composite 6 1,872

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	5	1,560
Haul Trucks - Import Fill	HHDT	195	3,875

Building Contractor

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	15	8	120	2,496	37,440
Workers	LDA, LDT1 & LDT2 Composite	16.8	20	336	6,240	104,832

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	15	8	120	2,496	37,440
Workers	LDA, LDT1 & LDT2 Composite	16.8	20	336	6,240	104,832

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Pick-up Trucks	LHDT2	4	1,248
Workers	LDA, LDT1 & LDT2 Composite	10	3,120

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	20	6,240

2021 Construction Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.00	0.01	0.00	0.00	0.00	0.00	5.01	0.00	0.00	5.25
0.00	0.04	0.00	0.00	0.00	0.00	16.18	0.00	0.00	16.94

Subtotal 0.00 0.01 0.08 0.00 0.00 0.00 21.62 0.00 0.00 21.82
0.00 0.06 0.09 0.00 0.01 0.00 42.81 0.00 0.00 44.01

PM10	PM2.5
Paved Road - PM only	
0.00	0.00
0.01	0.00

Subtotal 0.02 0.01
0.04 0.01

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Subtotal 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.25
0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.62

Subtotal 0.00 0.00 0.00 0.00 0.00 0.00 0.24 0.00 0.00 0.25

Grading & Paving Contractor TOTAL 0.00 0.07 0.09 0.00 0.04 0.01 43.05 0.00 0.00 44.26

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.03	0.08	0.13	0.00	0.01	0.00	65.18	0.00	0.01	67.24

Subtotal 0.00 0.01 0.14 0.00 0.01 0.00 36.03 0.00 0.00 36.36
0.03 0.09 0.27 0.00 0.01 0.01 101.21 0.00 0.01 103.60

PM10	PM2.5
Paved Road - PM only	
0.01	0.00

Subtotal 0.03 0.01
0.05 0.01

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
0.01	0.00	0.01	0.00	0.00	0.00	0.21	0.00	0.00	0.25

Subtotal 0.01 0.00 0.01 0.00 0.00 0.00 0.21 0.00 0.00 0.26

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Subtotal 0.00 0.01 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Building Contractor TOTAL 0.04 0.10 0.29 0.00 0.06 0.02 101.42 0.00 0.01 103.86

2021 Construction Mobile Source Assumptions Summary

Ironworkers (Headframes)

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	15	8	120	400	6,000

Workers	LDA, LDT1 & LDT2 Composite	16.8	16	269	800	13,440

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	15	8	120	400	6,000

Workers	LDA, LDT1 & LDT2 Composite	16.8	16	269	800	13,440

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Pick-up Trucks	LHDT2	4	200

Workers	LDA, LDT1 & LDT2 Composite	8	400

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	20	1,000

Electrical & Mechanical Contractors

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	15	8	120	2,496	37,440

Workers	LDA, LDT1 & LDT2 Composite	16.8	20	336	6,240	104,832

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	15	8	120	2,496	37,440

Workers	LDA, LDT1 & LDT2 Composite	16.8	20	336	6,240	104,832

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Pick-up Trucks	LHDT2	4	1,248

Workers	LDA, LDT1 & LDT2 Composite	10	3,120

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	20	6,240

2021 Construction Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.00	0.01	0.02	0.00	0.00	0.00	10.45	0.00	0.00	10.78

Subtotal	0.00	0.00	0.02	0.00	0.00	0.00	4.62	0.00	0.00	4.66
	0.00	0.01	0.04	0.00	0.00	0.00	15.06	0.00	0.00	15.44

PM10	PM2.5
Paved Road - PM only	
0.00	0.00

Subtotal	0.00	0.00
	0.01	0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03
	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Ironworkers (Headframes) TOTAL	0.01	0.02	0.04	0.00	0.01	0.00	15.09	0.00	0.00	15.47

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.03	0.08	0.13	0.00	0.01	0.00	65.18	0.00	0.01	67.24

Subtotal	0.00	0.01	0.14	0.00	0.01	0.00	36.03	0.00	0.00	36.36
	0.03	0.09	0.27	0.00	0.01	0.01	101.21	0.00	0.01	103.60

PM10	PM2.5
Paved Road - PM only	
0.01	0.00

Subtotal	0.03	0.01
	0.05	0.01

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01

Subtotal	0.01	0.00	0.01	0.00	0.00	0.00	0.21	0.00	0.00	0.25
	0.01	0.00	0.01	0.00	0.00	0.00	0.21	0.00	0.00	0.26

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Subtotal	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Electrical & Mechanical Contractors TOTAL	0.04	0.10	0.29	0.00	0.06	0.02	101.42	0.00	0.01	103.86

2021 Construction Mobile Source Assumptions Summary

Potable Water Installation Contractor

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	20	2	40	204	4,080

Workers	LDA, LDT1 & LDT2 Composite	16.8	12	202	1,224	20,563

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	20	2	40	204	4,080

Workers	LDA, LDT1 & LDT2 Composite	16.8	12	202	1,224	20,563

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)

Haul Trucks	HHDT	1	102

Workers	LDA, LDT1 & LDT2 Composite	6	612

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	5	510

PG&E Powerline Extension

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	20	2	40	156	3,120

Workers	LDA, LDT1 & LDT2 Composite	16.8	10	168	780	13,104

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	20	2	40	156	3,120

Workers	LDA, LDT1 & LDT2 Composite	16.8	10	168	780	13,104

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)

Haul Trucks	HHDT	1	78

Workers	LDA, LDT1 & LDT2 Composite	5	390

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	5	390

2021 Construction Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									

	0.00	0.02	0.00	0.00	0.00	0.00	6.55	0.00	0.00	6.86

Subtotal	0.00	0.00	0.03	0.00	0.00	0.00	7.07	0.00	0.00	7.13
	0.00	0.02	0.03	0.00	0.00	0.00	13.62	0.00	0.00	13.99

PM10	PM2.5
Paved Road - PM only	

	0.00	0.00

Subtotal	0.01	0.00
	0.01	0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									

	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.05
	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.05

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									

	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.08

Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.08

Potable Water Installation Contractor	TOTAL	0.00	0.02	0.03	0.00	0.01	0.00	13.74	0.00	0.00	14.12

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									

	0.00	0.01	0.00	0.00	0.00	0.00	5.01	0.00	0.00	5.25

Subtotal	0.00	0.00	0.02	0.00	0.00	0.00	4.50	0.00	0.00	4.55
	0.00	0.01	0.02	0.00	0.00	0.00	9.51	0.00	0.00	9.79

PM10	PM2.5
Paved Road - PM only	

	0.00	0.00

Subtotal	0.00	0.00
	0.01	0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									

	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03
	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									

	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.06

Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.06

PG&E Powerline Extension	TOTAL	0.00	0.02	0.02	0.00	0.01	0.00	9.60	0.00	0.00	9.89

2021 Construction Mobile Source Assumptions Summary

Underground Shaft Contractors

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)

Workers	LDA, LDT1 & LDT2 Composite	16.8	10	168	2,740	46,032

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)

Workers	LDA, LDT1 & LDT2 Composite	16.8	10	168	2,740	46,032

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)

Workers	LDA, LDT1 & LDT2 Composite	5	1,370

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)

Raise Bore Contractor

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)

Workers	LDA, LDT1 & LDT2 Composite	16.8	8	134	480	8,064

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)

Workers	LDA, LDT1 & LDT2 Composite	16.8	8	134	480	8,064

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)

Workers	LDA, LDT1 & LDT2 Composite	4	240

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)

2021 Construction Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e

Running Exhaust, Tire Wear, and Break Wear									

Subtotal	0.00	0.01	0.06	0.00	0.00	0.00	15.82	0.00	0.00	15.97
	0.00	0.01	0.06	0.00	0.00	0.00	15.82	0.00	0.00	15.97

PM10	PM2.5

Paved Road - PM only	

Subtotal	0.02	0.00
	0.02	0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e

Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									

Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.11
	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.11

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e

Idling									

Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Underground Shaft Contractors	TOTAL	0.00	0.01	0.07	0.00	0.02	0.00	15.91	0.00	0.00	16.08

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e

Running Exhaust, Tire Wear, and Break Wear									

Subtotal	0.00	0.00	0.01	0.00	0.00	0.00	2.77	0.00	0.00	2.80
	0.00	0.00	0.01	0.00	0.00	0.00	2.77	0.00	0.00	2.80

PM10	PM2.5

Paved Road - PM only	

Subtotal	0.00	0.00
	0.00	0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e

Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									

Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e

Idling									

Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Raise Bore Contractor	TOTAL	0.00	0.00	0.01	0.00	0.00	0.00	2.79	0.00	0.00	2.82

2021 Construction Mobile Source Assumptions Summary

Underground Construction						
Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Workers	LDA, LDT1 & LDT2 Composite	16.8	10	168	1,210	20,328
Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Workers	LDA, LDT1 & LDT2 Composite	16.8	10	168	1,210	20,328
Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)			
Workers	LDA, LDT1 & LDT2 Composite	5	605			
Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)			

2021 Construction Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual											
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
	Running Exhaust, Tire Wear, and Break Wear										
	0.00	0.00	0.03	0.00	0.00	0.00	0.00	6.99	0.00	0.00	7.05
Subtotal	0.00	0.00	0.03	0.00	0.00	0.00	0.00	6.99	0.00	0.00	7.05
	PM10					PM2.5					
	Paved Road - PM only										
					0.01	0.00					
Subtotal					0.01	0.00					
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
	Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap										
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.05
Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.05
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
	Idling										
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Underground Construction TOTAL	0.00	0.00	0.03	0.00	0.01	0.00	7.03	0.00	0.00	7.10	
Emissions - Annual (Tons/Year)											
SUMMARY	ROG	NOx	CO	SOx	PM10	PM2.5	(Metric Tons/Year)				
	CO2	CH4	N2O	CO2e							
Engineers, Surveyors, and Fuel	0.0332	0.1018	0.2292	0.0009	0.0439	0.0141	87.9359	0.0022	0.0077	90.2743	
Foundation and Concrete Contractor	0.0355	0.1183	0.2611	0.0010	0.0559	0.0175	98.3756	0.0025	0.0084	100.9397	
Grading & Paving Contractor	0.0035	0.0680	0.0900	0.0004	0.0416	0.0115	43.0473	0.0005	0.0040	44.2550	
Building Contractor	0.0362	0.1033	0.2878	0.0010	0.0595	0.0183	101.4199	0.0026	0.0080	103.8616	
Ironworkers (Headframes)	0.0055	0.0161	0.0414	0.0001	0.0082	0.0026	15.0918	0.0004	0.0012	15.4710	
Electrical & Mechanical Contractors	0.0362	0.1033	0.2878	0.0010	0.0595	0.0183	101.4199	0.0026	0.0080	103.8616	
Potable Water Installation Contractor	0.0021	0.0209	0.0315	0.0001	0.0133	0.0037	13.7386	0.0002	0.0013	14.1238	
PG&E Powerline Extension	0.0014	0.0156	0.0204	0.0001	0.0092	0.0025	9.6001	0.0001	0.0009	9.8852	
Underground Shaft Contractors	0.0035	0.0067	0.0651	0.0002	0.0176	0.0047	15.9113	0.0004	0.0005	16.0769	
Raise Bore Contractor	0.0006	0.0012	0.0114	0.0000	0.0031	0.0008	2.7874	0.0001	0.0001	2.8164	
Underground Construction	0.0016	0.0030	0.0288	0.0001	0.0078	0.0021	7.0265	0.0002	0.0002	7.0997	
	0.1592	0.5580	1.3545	0.0048	0.3195	0.0962	496.3543	0.0118	0.0403	508.6652	

2021 Construction Mobile Source Emissions Factors - EMFAC2017
Emission Factors: Summary

Project Vehicle	Vehicle Classes	Fuel	Speed	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
				Running Exhaust, Tire Wear, and Break Wear (grams/mile)								
Haul Trucks	HHDT	Diesel	Aggregate	0.106	3.823	0.430	0.014	0.152	0.088	1,457.141	0.005	0.229
Fuel Trucks	MHDT	Diesel	Aggregate	0.246	4.125	0.635	0.011	0.234	0.147	1,135.579	0.011	0.178
Concrete Trucks	MHDT	Diesel	Aggregate	0.246	4.125	0.635	0.011	0.234	0.147	1,135.579	0.011	0.178
Pick-up Trucks	LHDT2	Gas, Diesel (Aggregate)	5 mph	0.646	1.946	3.237	0.015	0.168	0.106	1,579.288	0.039	0.164
Workers	LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (Aggregate)	Aggregate	0.026	0.122	1.188	0.003	0.047	0.020	311.769	0.006	0.009

Project Vehicle	Vehicle Classes	PM10	PM2.5
		Paved Road - PM Only (grams/mile)	
Haul Trucks	HHDT	1.059	0.260
Fuel Trucks	MHDT	0.300	0.074
Concrete Trucks	MHDT	1.059	0.260
Pick-up Trucks	LHDT2	0.300	0.074
Workers	LDA, LDT1 & LDT2 Composite	0.300	0.074

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap (grams/trip)								
Haul Trucks	HHDT	Diesel	0.000	2.098	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel Trucks	MHDT	Diesel	0.000	1.287	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Concrete Trucks	MHDT	Diesel	0.000	1.287	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pick-up Trucks	LHDT2	Gas, Diesel (Aggregate)	0.288	0.121	0.442	0.000	0.000	0.000	4.715	0.007	0.009
Workers	LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (Aggregate)	1.457	0.359	3.220	0.001	0.002	0.002	66.880	0.096	0.036

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Idling (grams/Idle-min/vehicle)								
Haul Trucks	HHDT	Diesel	0.063	0.798	0.821	0.001	0.001	0.001	151.815	0.003	0.024
Fuel Trucks	MHDT	Diesel	0.027	2.045	0.442	0.002	0.006	0.006	190.639	0.001	0.030
Concrete Trucks	MHDT	Diesel	0.027	2.045	0.442	0.002	0.006	0.006	190.639	0.001	0.030
Pick-up Trucks	LHDT2	Gas, Diesel (Aggregate)	0.156	1.086	0.767	0.000	0.012	0.012	0.000	0.000	0.000

Operation Mobile Source Emissions Factors - EMFAC2017 ROG

								STEX HOTSOAK RUNLOSS ROG RESTLOSS									
Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_RESTLOSS	ROG_DIURN	ROG_RESTLOSS - Calculated	ROG_DIURN - Calculated	DIURN_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)	(g/vehicle/day)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)
NORTHERN SIERRA AQMD	2021	HHDT	DSL	Aggregate	1,803.56	227,225.59	19,012.11	0.106360298	6.888554273	0	0	0	0	0	-	-	0.0000
HHDT								0.1064	6.8886	0.0000	0.0000	0.0000	0.0000	0.0000			
NORTHERN SIERRA AQMD	2021	MHDT	DSL	Aggregate	1,001.23	55,391.73	8,206.80	0.246257066	0.159003368	0	0	0	0	0	-	-	0.0000
MHDT								0.2463	0.1590	0.0000	0.0000	0.0000	0.0000	0.0000			
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	Aggregate	272.51	9,478.09	4,059.92	0.129070421	0.997299664	0.255940738	0.141549634	0.95555758	0.019962691	0.050605544			
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	Aggregate	1,199.99	42,585.53	15,094.30	0.119189759	0.132560475	0	0	0	0	0			
LHDT2								0.1210	0.2926	0.0542	0.0300	0.2025	0.0037	0.0094	0.000284	0.000720	0.2878
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		268.98		0.21714333									
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		748.85		0.800620224									
LHDT2 (5 mph)								0.6464									
NORTHERN SIERRA AQMD	2021	LDA	GAS	Aggregate	50,020.79	1,980,152.24	231,741.50	0.016197859	0	0.379455336	0.155837702	0.302007814	0.153871048	0.276575976			
NORTHERN SIERRA AQMD	2021	LDA	DSL	Aggregate	803.06	30,252.29	3,638.26	0.025882556	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2021	LDA	ELEC	Aggregate	733.62	31,581.92	3,668.49	0	0	0	0.004888026	0	0.003315792	0.014443311			
NORTHERN SIERRA AQMD	2021	LDT1	GAS	Aggregate	9,162.26	321,109.72	40,525.14	0.044027499	0	0.625639306	0.312754409	1.24949063	0.319931392	0.605957031			
NORTHERN SIERRA AQMD	2021	LDT1	DSL	Aggregate	10.97	165.34	34.87	0.205278598	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2021	LDT1	ELEC	Aggregate	21.20	936.71	106.78	0	0	0	0.004888026	0	0.003296688	0.014340793			
NORTHERN SIERRA AQMD	2021	LDT2	GAS	Aggregate	33,340.32	1,175,505.71	148,504.39	0.03875336	0	0.66862125	0.263431948	0.997893109	0.283400635	0.517829645			
NORTHERN SIERRA AQMD	2021	LDT2	DSL	Aggregate	169.82	7,333.57	814.21	0.026089882	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2021	LDT2	ELEC	Aggregate	109.14	3,915.71	553.53	0	0	0	0.004888026	0	0.003296363	0.014402753			
LDA, LDT1, LDT2 Composite								0.0261	0.0000	0.4949	0.2047	0.6258	0.2128	0.3885	0.046742	0.085346	1.4574

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12	0.061453538	6.790248031	0	0	0	0	0	-	-	0.0000
HHDT (Agg)								0.0615	6.7902	0.0000	0.0000	0.0000	0.0000	0.0000			
NORTHERN SIERRA AQMD	2022	HHDT	DSL	10		6,268.57		0.3628									
HHDT (10 mph)								0.3628									
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53	0.119189759	0.132560475	0	0	0	0	0	-	-	0.0000
MHDT								0.1192	0.1326	0.0000	0.0000	0.0000	0.0000	0.0000			
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.061335599	0.456686596	0.157561898	0.156252384	1.147098882	0.018590698	0.047186299			
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.187300062	0.109759705	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	MHDT	GAS	Aggregate	148.18	6,836.59	2,964.81	0.129070421	0.997299664	0.255940738	0.141549634	0.95555758	0.019962691	0.050605544			
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53	0.119189759	0.132560475	0	0	0	0	0			
LHDT2 & MHDT Composite								0.1399	0.2060	0.0467	0.0351	0.2491	0.0031	0.0078	0.000267	0.000677	0.3318
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.038420501	0	0.57320665	0.297246079	1.179465326	0.304932505	0.570871232			
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.195542896	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.004888026	0	0.003290504	0.014322345			
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.034824933	0	0.625335427	0.258618407	0.977886454	0.282007847	0.508333692			
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.024969151	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.004888026	0	0.003294658	0.014389976			
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.161437447	0.457872227	0.186536017	0.261273242	2.527399415	0.030304906	0.08291958			
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.233234379	0.109759705	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.061335599	0.456686596	0.157561898	0.156252384	1.147098882	0.018590698	0.047186299			
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.187300062	0.109759705	0	0	0	0	0			
LDT1, LDT2, LHDT1, & LHDT2 Composite								0.0620	0.0429	0.3982	0.2018	1.0131	0.2359	0.4308	0.039019	0.071257	1.7233
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.01351942	0	0.340518542	0.143835254	0.283570011	0.142351135	0.253361934			
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.023183727	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0	0.004888026	0	0.003310354	0.014423169			
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.038420501	0	0.57320665	0.297246079	1.179465326	0.304932505	0.570871232			
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.195542896	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.004888026	0	0.003290504	0.014322345			
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.034824933	0	0.625335427	0.258618407	0.977886454	0.282007847	0.508333692			
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.024969151	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.004888026	0	0.003294658	0.014389976			
LDA, LDT1, LDT2 Composite								0.0225	0.0000	0.4509	0.1937	0.5955	0.2034	0.3670	0.044634	0.080541	1.3653

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Operation Mobile Source Emissions Factors - EMFAC2017 NOx

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	NOx_RUNEX (g/mile)	NOx_IDLEX (g/vehicle/day)	NOx_STREX (g/trip)
NORTHERN SIERRA AQMD	2021	HHDT	DSL	Aggregate	1,803.56	227,225.59	19,012.11 HHDT	3.823196027 3.8232	87.30408507 87.3041	2.097861901 2.0979
NORTHERN SIERRA AQMD	2021	MHDT	DSL	Aggregate	1,001.23	55,391.73	8,206.80 MHDT	4.124717971 4.1247	11.98417638 11.9842	1.287277811 1.2873
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	Aggregate	272.51	9,478.09	4,059.92	0.365454512	0.040522578	0.572330523
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	Aggregate	1,199.99	42,585.53	15,094.30 LHDT2	2.765929969 2.3289	2.482919311 2.0309	0 0.1213
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		268.98		0.512102132		
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		748.85		2.460505599		
							LHDT2 (5 mph)	1.9456		
NORTHERN SIERRA AQMD	2021	LDA	GAS	Aggregate	50,020.79	1,980,152.24	231,741.50	0.063450539	0	0.258737394
NORTHERN SIERRA AQMD	2021	LDA	DSL	Aggregate	803.06	30,252.29	3,638.26	0.181669855	0	0
NORTHERN SIERRA AQMD	2021	LDA	ELEC	Aggregate	733.62	31,581.92	3,668.49	0	0	0
NORTHERN SIERRA AQMD	2021	LDT1	GAS	Aggregate	9,162.26	321,109.72	40,525.14	0.176307728	0	0.38107856
NORTHERN SIERRA AQMD	2021	LDT1	DSL	Aggregate	10.97	165.34	34.87	1.160702325	0	0
NORTHERN SIERRA AQMD	2021	LDT1	ELEC	Aggregate	21.20	936.71	106.78	0	0	0
NORTHERN SIERRA AQMD	2021	LDT2	GAS	Aggregate	33,340.32	1,175,505.71	148,504.39	0.207811169	0	0.532114105
NORTHERN SIERRA AQMD	2021	LDT2	DSL	Aggregate	169.82	7,333.57	814.21	0.146569262	0	0
NORTHERN SIERRA AQMD	2021	LDT2	ELEC	Aggregate	109.14	3,915.71	553.53	0	0	0
							LDA, LDT1, LDT2 Composite	0.1220	0.0000	0.3595

Operation Mobile Source Emissions Factors - EMFAC2017 CO

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CO_RUNEX (g/mile)	CO_IDLEX (g/vehicle/day)	CO_STREX (g/trip)
NORTHERN SIERRA AQMD	2021	HHDT	DSL	Aggregate	1,803.56	227,225.59	19,012.11 HHDT	0.429658234 0.4297	89.79139794 89.7914	0 0.0000
NORTHERN SIERRA AQMD	2021	MHDT	DSL	Aggregate	1,001.23	55,391.73	8,206.80 MHDT	0.634665991 0.6347	2.587548026 2.5875	0 0.0000
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	Aggregate	272.51	9,478.09	4,059.92	1.312819394	3.74559432	2.086523796
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	Aggregate	1,199.99	42,585.53	15,094.30 LHDT2	0.89778259 0.9733	0.909745076 1.4346	0 0.4423
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		268.98		2.509046081		
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		748.85		3.498868014		
							LHDT2 (5 mph)	3.2373		
NORTHERN SIERRA AQMD	2021	LDA	GAS	Aggregate	50,020.79	1,980,152.24	231,741.50	0.861016322	0	2.908988577
NORTHERN SIERRA AQMD	2021	LDA	DSL	Aggregate	803.06	30,252.29	3,638.26	0.348449902	0	0
NORTHERN SIERRA AQMD	2021	LDA	ELEC	Aggregate	733.62	31,581.92	3,668.49	0	0	0
NORTHERN SIERRA AQMD	2021	LDT1	GAS	Aggregate	9,162.26	321,109.72	40,525.14	1.792376774	0	3.328760726
NORTHERN SIERRA AQMD	2021	LDT1	DSL	Aggregate	10.97	165.34	34.87	1.156766383	0	0
NORTHERN SIERRA AQMD	2021	LDT1	ELEC	Aggregate	21.20	936.71	106.78	0	0	0
NORTHERN SIERRA AQMD	2021	LDT2	GAS	Aggregate	33,340.32	1,175,505.71	148,504.39	1.637272783	0	3.866937853
NORTHERN SIERRA AQMD	2021	LDT2	DSL	Aggregate	169.82	7,333.57	814.21	0.229867106	0	0
NORTHERN SIERRA AQMD	2021	LDT2	ELEC	Aggregate	109.14	3,915.71	553.53	0	0	0
							LDA, LDT1, LDT2 Composite	1.1877	0.0000	3.2200

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Operation Mobile Source Emissions Factors - EMFAC2017 SO2

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	SO2_RUNEX (g/mile)	SO2_IDLEX (g/vehicle/day)	SO2_STREX (g/trip)
NORTHERN SIERRA AQMD	2021	HHDT	DSL	Aggregate	1,803.56	227,225.59	19,012.11 HHDT	0.013766344 0.0138	0.156909036 0.1569	0 0.0000
NORTHERN SIERRA AQMD	2021	MHDT	DSL	Aggregate	1,001.23	55,391.73	8,206.80 MHDT	0.010728383 0.0107	0.010554251 0.0106	0 0.0000
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	Aggregate	272.51	9,478.09	4,059.92	0.011674983	0.001406211	0.000220113
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	Aggregate	1,199.99	42,585.53	15,094.30 LHDT2	0.00617217 0.0072	0.002130216 0.0020	0 0.0000
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		268.98		0.021954072		
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		748.85		0.012759319		
							LHDT2 (5 mph)	0.0152		
NORTHERN SIERRA AQMD	2021	LDA	GAS	Aggregate	50,020.79	1,980,152.24	231,741.50	0.002749812	0	0.000584907
NORTHERN SIERRA AQMD	2021	LDA	DSL	Aggregate	803.06	30,252.29	3,638.26	0.00208415	0	0
NORTHERN SIERRA AQMD	2021	LDA	ELEC	Aggregate	733.62	31,581.92	3,668.49	0	0	0
NORTHERN SIERRA AQMD	2021	LDT1	GAS	Aggregate	9,162.26	321,109.72	40,525.14	0.003314298	0	0.000710959
NORTHERN SIERRA AQMD	2021	LDT1	DSL	Aggregate	10.97	165.34	34.87	0.003852943	0	0
NORTHERN SIERRA AQMD	2021	LDT1	ELEC	Aggregate	21.20	936.71	106.78	0	0	0
NORTHERN SIERRA AQMD	2021	LDT2	GAS	Aggregate	33,340.32	1,175,505.71	148,504.39	0.00370705	0	0.000807753
NORTHERN SIERRA AQMD	2021	LDT2	DSL	Aggregate	169.82	7,333.57	814.21	0.002840869	0	0
NORTHERN SIERRA AQMD	2021	LDT2	ELEC	Aggregate	109.14	3,915.71	553.53	0	0	0
							LDA, LDT1, LDT2 Composite	0.0031	0.0000	0.0007

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 PM10

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW	PM10_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/mile)	(g/mile)	(g/mile)
NORTHERN SIERRA AQMD	2021	HHDT	DSL	Aggregate	1,803.56	227,225.59	19,012.11 HHDT	0.055150799 0.0552	0.142046897 0.1420	0 0.0000	0.035667842 0.0357	0.061170349 0.0612	0.151989
NORTHERN SIERRA AQMD	2021	MHDT	DSL	Aggregate	1,001.23	55,391.73	8,206.80 MHDT	0.092012243 0.0920	0.037999825 0.0380	0 0.0000	0.012000003 0.0120	0.130340037 0.1303	0.234352
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	Aggregate	272.51	9,478.09	4,059.92	0.002417267	0	0.000435666	0.008000002	0.089180026	0.128503
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	Aggregate	1,199.99	42,585.53	15,094.30 LHDT2	0.033755596 0.0281	0.027662954 0.0225	0 0.0001	0.012000003 0.0113	0.089180026 0.0892	
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		268.98		0.008235635					
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		748.85	LHDT2 (5 mph)	0.089118105 0.0677	0.0225	0.0001	0.0113	0.0892	
NORTHERN SIERRA AQMD	2021	LDA	GAS	Aggregate	50,020.79	1,980,152.24	231,741.50	0.001779676	0	0.002266989	0.008000002	0.036750011	0.046781
NORTHERN SIERRA AQMD	2021	LDA	DSL	Aggregate	803.06	30,252.29	3,638.26	0.012633655	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2021	LDA	ELEC	Aggregate	733.62	31,581.92	3,668.49	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2021	LDT1	GAS	Aggregate	9,162.26	321,109.72	40,525.14	0.002640794	0	0.003189608	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2021	LDT1	DSL	Aggregate	10.97	165.34	34.87	0.175919748	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2021	LDT1	ELEC	Aggregate	21.20	936.71	106.78	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2021	LDT2	GAS	Aggregate	33,340.32	1,175,505.71	148,504.39	0.002002229	0	0.002467045	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2021	LDT2	DSL	Aggregate	169.82	7,333.57	814.21	0.010158768	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2021	LDT2	ELEC	Aggregate	109.14	3,915.71	553.53 LDA, LDT1, LDT2 Composite	0 0.0020	0 0.0000	0 0.0024	0.008000002 0.0080	0.036750011 0.0368	

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 PM2.5

Region	CalYr	VehClass	Fuel	Speed	Population	VTM	Trips	PM2.5_RUNEX	PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW	PM2.5_Combined Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/mile)	(g/mile)	(g/mile)
NORTHERN SIERRA AQMD	2021	HHDT	DSL	Aggregate	1,803.56	227,225.59	19,012.11 HHDT	0.052765 0.0528	0.135902011 0.1359	0 0.0000	0.008916961 0.0089	0.026215864 0.0262	0.087898
NORTHERN SIERRA AQMD	2021	MHDT	DSL	Aggregate	1,001.23	55,391.73	8,206.80 MHDT	0.088031834 0.0880	0.03635597 0.0364	0 0.0000	0.003000001 0.0030	0.055860016 0.0559	0.146892
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	Aggregate	272.51	9,478.09	4,059.92	0.002222588	0	0.000400579	0.002000001	0.038220011	
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	Aggregate	1,199.99	42,585.53	15,094.30 LHDT2	0.032295344 0.0268	0.026466267 0.0216	0 0.0001	0.003000001 0.0028	0.038220011 0.0382	0.067859
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		268.98		0.007572362					
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		748.85		0.085262895					
							LHDT2 (5 mph)	0.0647	0.0216	0.0001	0.0028	0.0382	0.105770
NORTHERN SIERRA AQMD	2021	LDA	GAS	Aggregate	50,020.79	1,980,152.24	231,741.50	0.00163639	0	0.002084636	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2021	LDA	DSL	Aggregate	803.06	30,252.29	3,638.26	0.012087129	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2021	LDA	ELEC	Aggregate	733.62	31,581.92	3,668.49	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2021	LDT1	GAS	Aggregate	9,162.26	321,109.72	40,525.14	0.002428533	0	0.00293358	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2021	LDT1	DSL	Aggregate	10.97	165.34	34.87	0.168309537	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2021	LDT1	ELEC	Aggregate	21.20	936.71	106.78	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2021	LDT2	GAS	Aggregate	33,340.32	1,175,505.71	148,504.39	0.001841113	0	0.002268652	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2021	LDT2	DSL	Aggregate	169.82	7,333.57	814.21	0.009719304	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2021	LDT2	ELEC	Aggregate	109.14	3,915.71	553.53	0	0	0	0.002000001	0.015750005	
							LDA, LDT1, LDT2 Composite	0.0019	0.0000	0.0022	0.0020	0.0158	0.019622

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 CH4

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CH4_RUNEX (g/mile)	CH4_IDLEX (g/vehicle/day)	CH4_STREX (g/trip)
NORTHERN SIERRA AQMD	2021	HHDT	DSL	Aggregate	1,803.56	227,225.59	19,012.11 HHDT	0.00494016 0.0049	0.319955504 0.3200	0 0.0000
NORTHERN SIERRA AQMD	2021	MHDT	DSL	Aggregate	1,001.23	55,391.73	8,206.80 MHDT	0.011438003 0.0114	0.007385295 0.0074	0 0.0000
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	Aggregate	272.51	9,478.09	4,059.92	0.014169476	0.125063486	0.032043757
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	Aggregate	1,199.99	42,585.53	15,094.30 LHDT2	0.008779444 0.0098	0.005098128 0.0273	0 0.0068
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		268.98		0.045252296		
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		748.85		0.037187279		
							LHDT2 (5 mph)	0.0393		
NORTHERN SIERRA AQMD	2021	LDA	GAS	Aggregate	50,020.79	1,980,152.24	231,741.50	0.003865869	0	0.07743448
NORTHERN SIERRA AQMD	2021	LDA	DSL	Aggregate	803.06	30,252.29	3,638.26	0.001202195	0	0
NORTHERN SIERRA AQMD	2021	LDA	ELEC	Aggregate	733.62	31,581.92	3,668.49	0	0	0
NORTHERN SIERRA AQMD	2021	LDT1	GAS	Aggregate	9,162.26	321,109.72	40,525.14	0.009489037	0	0.115617668
NORTHERN SIERRA AQMD	2021	LDT1	DSL	Aggregate	10.97	165.34	34.87	0.009534798	0	0
NORTHERN SIERRA AQMD	2021	LDT1	ELEC	Aggregate	21.20	936.71	106.78	0	0	0
NORTHERN SIERRA AQMD	2021	LDT2	GAS	Aggregate	33,340.32	1,175,505.71	148,504.39	0.008533253	0	0.125930066
NORTHERN SIERRA AQMD	2021	LDT2	DSL	Aggregate	169.82	7,333.57	814.21	0.001211825	0	0
NORTHERN SIERRA AQMD	2021	LDT2	ELEC	Aggregate	109.14	3,915.71	553.53	0	0	0
							LDA, LDT1, LDT2 Composite	0.0059	0.0000	0.0962

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 CO2

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX
								(g/mile)	(g/vehicle/day)	(g/trip)
NORTHERN SIERRA AQMD	2021	HHDT	DSL	Aggregate	1,803.56	227,225.59	19,012.11	1457.140816	16608.51729	0
							HHDT	1457.1408	16608.5173	0.0000
NORTHERN SIERRA AQMD	2021	MHDT	DSL	Aggregate	1,001.23	55,391.73	8,206.80	1135.578505	1117.146988	0
							MHDT	1135.5785	1117.1470	0.0000
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	Aggregate	272.51	9,478.09	4,059.92	1179.79042	142.1016282	22.24309504
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	Aggregate	1,199.99	42,585.53	15,094.30	652.8912092	225.3339122	0
							LHDT2	748.8123	209.9306	4.7146
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		268.98		2218.521874		
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		748.85		1349.678912		
							LHDT2 (5 mph)	1579.2878		
NORTHERN SIERRA AQMD	2021	LDA	GAS	Aggregate	50,020.79	1,980,152.24	231,741.50	277.8763893	0	59.1065644
NORTHERN SIERRA AQMD	2021	LDA	DSL	Aggregate	803.06	30,252.29	3,638.26	220.4610418	0	0
NORTHERN SIERRA AQMD	2021	LDA	ELEC	Aggregate	733.62	31,581.92	3,668.49	0	0	0
NORTHERN SIERRA AQMD	2021	LDT1	GAS	Aggregate	9,162.26	321,109.72	40,525.14	334.9192737	0	71.84447117
NORTHERN SIERRA AQMD	2021	LDT1	DSL	Aggregate	10.97	165.34	34.87	407.5637124	0	0
NORTHERN SIERRA AQMD	2021	LDT1	ELEC	Aggregate	21.20	936.71	106.78	0	0	0
NORTHERN SIERRA AQMD	2021	LDT2	GAS	Aggregate	33,340.32	1,175,505.71	148,504.39	374.6080385	0	81.62573766
NORTHERN SIERRA AQMD	2021	LDT2	DSL	Aggregate	169.82	7,333.57	814.21	300.5066901	0	0
NORTHERN SIERRA AQMD	2021	LDT2	ELEC	Aggregate	109.14	3,915.71	553.53	0	0	0
							LDA, LDT1, LDT2 Composite	311.7692	0.0000	66.8799

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Operation Mobile Source Emissions Factors - EMFAC2017 N2O

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	N2O_RUNEX (g/mile)	N2O_IDLEX (g/vehicle/day)	N2O_STREX (g/trip)
NORTHERN SIERRA AQMD	2021	HHDT	DSL	Aggregate	1,803.56	227,225.59	19,012.11 HHDT	0.229042244 0.2290	2.61062763 2.6106	0 0.0000
NORTHERN SIERRA AQMD	2021	MHDT	DSL	Aggregate	1,001.23	55,391.73	8,206.80 MHDT	0.178497127 0.1785	0.175599949 0.1756	0 0.0000
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	Aggregate	272.51	9,478.09	4,059.92	0.021567206	0.003054513	0.042276547
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	Aggregate	1,199.99	42,585.53	15,094.30 LHDT2	0.102625406 0.0879	0.035419353 0.0294	0 0.0090
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		268.98		0.030978837		
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		748.85		0.21215073		
							LHDT2 (5 mph)	0.1643		
NORTHERN SIERRA AQMD	2021	LDA	GAS	Aggregate	50,020.79	1,980,152.24	231,741.50	0.006131701	0	0.030823955
NORTHERN SIERRA AQMD	2021	LDA	DSL	Aggregate	803.06	30,252.29	3,638.26	0.034653406	0	0
NORTHERN SIERRA AQMD	2021	LDA	ELEC	Aggregate	733.62	31,581.92	3,668.49	0	0	0
NORTHERN SIERRA AQMD	2021	LDT1	GAS	Aggregate	9,162.26	321,109.72	40,525.14	0.011961915	0	0.035883083
NORTHERN SIERRA AQMD	2021	LDT1	DSL	Aggregate	10.97	165.34	34.87	0.06406334	0	0
NORTHERN SIERRA AQMD	2021	LDT1	ELEC	Aggregate	21.20	936.71	106.78	0	0	0
NORTHERN SIERRA AQMD	2021	LDT2	GAS	Aggregate	33,340.32	1,175,505.71	148,504.39	0.013252118	0	0.04521876
NORTHERN SIERRA AQMD	2021	LDT2	DSL	Aggregate	169.82	7,333.57	814.21	0.047235467	0	0
NORTHERN SIERRA AQMD	2021	LDT2	ELEC	Aggregate	109.14	3,915.71	553.53	0	0	0
							LDA, LDT1, LDT2 Composite	0.0093	0.0000	0.0356

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Paved Road Fugitive Emissions - Operation Mobile Sources

Equation:

$$E = k \times (sL/2)^{0.91} \times (W)1.02 \text{ [maximum day]}$$

Where:

		Units
k	particle size multiplier (PM ₁₀)	0.00220 lb/VMT
k	particle size multiplier (PM _{2.5})	0.00054 lb/VMT
sL	silt loading (high ADT roads)	0.1 g/m ²
sL	silt loading (low ADT roads)	0.4 g/m ²
W	average weight (tons) of the vehicle traveling the road	2.4 tons

Notes/References:

k = Emission factors from CalEEMod2020.4.0 per AP-42, Section 13.2.1 (Paved Roads).

sL = silt loading per AP-42, Section 13.2.1 (Paved Roads).

W = Average vehicle weight from CalEEMod2020.4.0, consistent with the statewide average vehicle weight used in CARB's Entrained Road Travel, Paved Road Dust, 2016 Update.

For daily emissions it is assumed to have no precipitation.

Per AP-42, Section 13.2.1 (Paved Roads): The above equation calls for the average weight of all vehicles traveling the road. For example, if 99 percent of traffic on the road are 2 ton cars/trucks while the remaining 1 percent consists of 20 ton trucks, then the mean weight "W" is 2.2 tons. More specifically, the above equation is not intended to be used to calculate a separate emission factor for each vehicle weight class. Instead, only one emission factor should be calculated to represent the "fleet" average weight of all vehicles traveling the road.

Emission Factors	PM10 Paved Road (lb/VMT)	PM2.5 Paved Road (lb/VMT)	PM10 Paved Road (g/VMT)	PM2.5 Paved Road (g/VMT)
All Vehicles - High ADT Roads	0.0007	0.0002	0.2998	0.0736
All Vehicles - Low ADT Roads	0.0023	0.0006	1.0587	0.2599

On-Road Vehicles - 2021
OnSite

2021 Construction Mobile Source Assumptions Summary

Project Management, Engineers, Surveyors, and Fuel

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	0.26	8	2	2,496	649
Fuel Trucks	MHDT	0.26	2	1	208	54

Workers	LDA, LDT1 & LDT2 Composite	0.12	12	1	3,744	449

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	0.26	8	2	2,496	649
Fuel Trucks	MHDT	0.26	2	1	208	54

Workers	LDA, LDT1 & LDT2 Composite	0.12	12	1	3,744	449

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Pick-up Trucks	LHDT2	4	1,248
Fuel Trucks	MHDT	1	104

Workers	LDA, LDT1 & LDT2 Composite	6	1,872

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	20	6,240
Fuel Trucks	MHDT	5	520

Foundation and Concrete Contractor

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Concrete Trucks	MHDT	0.26	2	1	624	162
Pick-up Trucks	LHDT2	0.26	8	2	2,496	649

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Concrete Trucks	MHDT	0.26	2	1	624	162
Pick-up Trucks	LHDT2	0.26	8	2	2,496	649

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Concrete Trucks	MHDT	1	312
Pick-up Trucks	LHDT2	4	1,248

Workers	LDA, LDT1 & LDT2 Composite	8	2,496

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Concrete Trucks	MHDT	5	1,560
Pick-up Trucks	LHDT2	20	6,240

2021 Construction Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.00	0.01	0.01	0.00	0.00	0.00	7.24	0.00	0.00	7.47
0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	1.36
0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00	1.00
0.00	0.01	0.02	0.00	0.00	0.00	9.53	0.00	0.00	9.83

Subtotal	PM10		PM2.5		Paved Road - PM only					
	0.03		0.01							
	0.01		0.00							

Subtotal	0.02		0.00							
	0.05		0.01							

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.02	0.00	0.04	0.00	0.00	0.00	0.88	0.00	0.00	1.06
0.02	0.01	0.05	0.00	0.00	0.00	0.93	0.00	0.00	1.12

Subtotal	0.02		0.00		0.00		0.88		0.00		0.00		1.06	
	0.02		0.01		0.05		0.00		0.00		0.00		1.12	

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
	0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.02	0.00	0.00	0.00	0.00	2.10	0.00	0.00
	0.01	0.07	0.04	0.00	0.00	0.00	2.10	0.00	0.00

Subtotal	0.01		0.07		0.04		0.00		0.00		0.00		2.20	

Project Management, Engineers, Surveyors, and Fuel	TOTAL	0.03	0.09	0.10	0.00	0.05	0.01	12.56	0.00	0.00	13.16

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	1.36
0.00	0.01	0.01	0.00	0.00	0.00	7.24	0.00	0.00	7.47
0.00	0.00	0.01	0.00	0.00	0.00	1.32	0.00	0.00	1.33
0.00	0.01	0.02	0.00	0.00	0.00	9.86	0.00	0.00	10.17

Subtotal	0.00		0.01		0.00		1.32		0.00		0.00		1.33	
	0.00		0.01		0.00		0.00		0.00		0.00		10.17	

Subtotal	PM10		PM2.5		Paved Road - PM only					
	0.01		0.00							
	0.03		0.01							

Subtotal	0.02		0.01							
	0.06		0.01							

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.03	0.01	0.06	0.00	0.00	0.00	1.18	0.00	0.00	1.41
0.03	0.01	0.06	0.00	0.00	0.00	1.22	0.00	0.00	1.48

Subtotal	0.03		0.01		0.06		0.00		0.00		0.00		1.41	
	0.03		0.01		0.06		0.00		0.00		0.00		1.48	

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
	0.00	0.02	0.00	0.00	0.00	0.00	2.10	0.00	0.00
	0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00
	0.01	0.07	0.04	0.00	0.00	0.00	2.10	0.00	0.00

Subtotal	0.01		0.07		0.04		0.00		0.00		0.00		2.20	

Foundation and Concrete Contractor	TOTAL	0.04	0.09	0.12	0.00	0.06	0.02	13.19	0.00	0.00	13.84

2021 Construction Mobile Source Assumptions Summary

Grading & Paving Contractor

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.26	2	1	624	162
Haul Trucks - Import Fill	HHDT	0.26	78	20	1,550	403
Water Trucks	MHDT	0.44	8	4	624	275
Workers	LDA, LDT1 & LDT2 Composite	0.12	12	1	3,744	449

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.26	2	1	624	162
Haul Trucks - Import Fill	HHDT	0.26	78	20	1,550	403
Water Trucks	MHDT	0.44	8	4	624	275
Workers	LDA, LDT1 & LDT2 Composite	0.12	12	1	3,744	449

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Haul Trucks	HHDT	1	312
Haul Trucks - Import Fill	HHDT	39	775
Water Trucks	MHDT	8	624
Workers	LDA, LDT1 & LDT2 Composite	6	3,744

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	5	1,560
Haul Trucks - Import Fill	HHDT	195	3,875
Water Trucks	MHDT	40	3,120

Building Contractor

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	0.26	8	2	2,496	649
Workers	LDA, LDT1 & LDT2 Composite	0.12	20	2	6,240	749

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	0.26	8	2	2,496	649
Workers	LDA, LDT1 & LDT2 Composite	0.12	20	2	6,240	749

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Pick-up Trucks	LHDT2	4	1,248
Workers	LDA, LDT1 & LDT2 Composite	10	3,120

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	20	6,240

2021 Construction Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Running Exhaust, Tire Wear, and Break Wear									
Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	1.67	0.00	0.00	1.75
	0.00	0.17	0.02	0.00	0.01	0.00	65.15	0.00	0.01	68.21
	0.01	0.08	0.02	0.00	0.00	0.00	18.90	0.00	0.00	19.79
	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00	1.00
	0.02	0.26	0.04	0.00	0.01	0.01	86.70	0.00	0.01	90.75

	PM10	PM2.5
	Paved Road - PM only	
	0.01	0.00
	0.26	0.06
	0.04	0.01
	0.02	0.00
Subtotal	0.33	0.08

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.02	0.00	0.04	0.00	0.00	0.00	0.88	0.00	0.00	1.06
Subtotal	0.02	0.21	0.04	0.00	0.00	0.00	0.88	0.00	0.00	1.06

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Idling									
	0.00	0.01	0.01	0.00	0.00	0.00	1.67	0.00	0.00	1.75
	0.03	0.34	0.35	0.00	0.00	0.00	65.27	0.00	0.01	68.35
	0.00	0.18	0.04	0.00	0.00	0.00	16.81	0.00	0.00	17.60
Subtotal	0.03	0.53	0.40	0.00	0.00	0.00	83.75	0.00	0.01	87.71

Grading & Paving Contractor TOTAL 0.07 1.00 0.49 0.00 0.34 0.09 171.34 0.00 0.03 179.51

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Running Exhaust, Tire Wear, and Break Wear									
	0.00	0.01	0.01	0.00	0.00	0.00	7.24	0.00	0.00	7.47
	0.00	0.00	0.01	0.00	0.00	0.00	1.65	0.00	0.00	1.67
Subtotal	0.00	0.01	0.02	0.00	0.00	0.00	8.89	0.00	0.00	9.14

	PM10	PM2.5
	Paved Road - PM only	
	0.03	0.01
	0.03	0.01
Subtotal	0.06	0.01

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.07
	0.03	0.01	0.07	0.00	0.00	0.00	1.47	0.00	0.00	1.76
Subtotal	0.03	0.01	0.07	0.00	0.00	0.00	1.52	0.00	0.00	1.83

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Idling									
Subtotal	0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Building Contractor TOTAL 0.04 0.07 0.13 0.00 0.06 0.02 10.41 0.00 0.00 10.96

2021 Construction Mobile Source Assumptions Summary

Ironworkers (Headframes)

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	0.26	8	2	400	104
Workers	LDA, LDT1 & LDT2 Composite	0.12	16	2	800	96

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	0.26	8	2	400	104
Workers	LDA, LDT1 & LDT2 Composite	0.12	16	2	800	96

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Pick-up Trucks	LHDT2	4	200
Workers	LDA, LDT1 & LDT2 Composite	8	400

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	20	1,000

Electrical & Mechanical Contractors

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	0.26	8	2	2,496	649
Workers	LDA, LDT1 & LDT2 Composite	0.12	20	2	6,240	749

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	0.26	8	2	2,496	649
Workers	LDA, LDT1 & LDT2 Composite	0.12	20	2	6,240	749

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Pick-up Trucks	LHDT2	4	1,248
Workers	LDA, LDT1 & LDT2 Composite	10	3,120

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	20	6,240

2021 Construction Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.00	0.01	0.01	0.00	0.00	0.00	7.24	0.00	0.00	7.47

Subtotal	0.00	0.00	0.01	0.00	0.00	0.00	1.32	0.00	0.00	1.33
	0.00	0.01	0.02	0.00	0.00	0.00	8.56	0.00	0.00	8.80

PM10	PM2.5
Paved Road - PM only	
0.03	0.01

Subtotal	0.02	0.01
	0.05	0.01

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.07

Subtotal	0.03	0.01	0.06	0.00	0.00	0.00	1.18	0.00	0.00	1.41
	0.03	0.01	0.06	0.00	0.00	0.00	1.22	0.00	0.00	1.48

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Subtotal	0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Ironworkers (Headframes) TOTAL	0.04	0.06	0.11	0.00	0.05	0.01	9.78	0.00	0.00	10.28

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.00	0.01	0.01	0.00	0.00	0.00	7.24	0.00	0.00	7.47

Subtotal	0.00	0.00	0.01	0.00	0.00	0.00	1.65	0.00	0.00	1.67
	0.00	0.01	0.02	0.00	0.00	0.00	8.89	0.00	0.00	9.14

PM10	PM2.5
Paved Road - PM only	
0.03	0.01

Subtotal	0.03	0.01
	0.06	0.01

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.07

Subtotal	0.03	0.01	0.07	0.00	0.00	0.00	1.47	0.00	0.00	1.76
	0.03	0.01	0.07	0.00	0.00	0.00	1.52	0.00	0.00	1.83

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Subtotal	0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Electrical & Mechanical Contractors TOTAL	0.04	0.07	0.13	0.00	0.06	0.02	10.41	0.00	0.00	10.96

2021 Construction Mobile Source Assumptions Summary

Potable Water Installation Contractor

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.26	2	1	204	53
Water Trucks	MHDT	0.44	8	4	204	90

Workers LDA, LDT1 & LDT2 Composite 0.12 12 1 1,224 147

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.26	2	1	204	53
Water Trucks	MHDT	0.44	8	4	204	90

Workers LDA, LDT1 & LDT2 Composite 0.12 12 1 1,224 147

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)

Haul Trucks HHDT 1 102

Water Trucks MHDT 8 204

Workers LDA, LDT1 & LDT2 Composite 6 612

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	5	510
Water Trucks	MHDT	40	1,020

PG&E Powerline Extension

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.26	2	1	156	41
Workers	LDA, LDT1 & LDT2 Composite	0.12	10	1	780	94

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.26	2	1	156	41
Workers	LDA, LDT1 & LDT2 Composite	0.12	10	1	780	94

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)

Haul Trucks HHDT 1 78

Workers LDA, LDT1 & LDT2 Composite 5 390

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	5	390

2021 Construction Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.00	0.00	0.00	0.00	0.00	0.00	1.67	0.00	0.00	1.75
0.01	0.08	0.02	0.00	0.00	0.00	18.90	0.00	0.00	19.79

Subtotal 0.00 0.00 0.00 0.00 0.00 0.00 0.99 0.00 0.00 1.00

0.01 0.09 0.02 0.00 0.00 0.00 21.56 0.00 0.00 22.54

PM10	PM2.5
Paved Road - PM only	
0.01	0.00
0.04	0.01

Subtotal 0.02 0.00

0.07 0.02

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Subtotal 0.02 0.00 0.04 0.00 0.00 0.00 0.88 0.00 0.00 1.06

0.02 0.03 0.04 0.00 0.00 0.00 0.88 0.00 0.00 1.06

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.00	0.01	0.01	0.00	0.00	0.00	1.67	0.00	0.00	1.75
0.00	0.18	0.04	0.00	0.00	0.00	16.81	0.00	0.00	17.60

Subtotal 0.00 0.19 0.05 0.00 0.00 0.00 18.49 0.00 0.00 19.35

Potable Water Installation Contractor TOTAL 0.03 0.31 0.11 0.00 0.07 0.02 40.93 0.00 0.01 42.95

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.00	0.00	0.00	0.00	0.00	0.00	1.67	0.00	0.00	1.75

Subtotal 0.00 0.00 0.00 0.00 0.00 0.00 0.82 0.00 0.00 0.83

0.00 0.00 0.00 0.00 0.00 0.00 2.50 0.00 0.00 2.58

PM10	PM2.5
Paved Road - PM only	
0.01	0.00

Subtotal 0.02 0.00

0.02 0.01

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Subtotal 0.02 0.00 0.04 0.00 0.00 0.00 0.74 0.00 0.00 0.88

0.02 0.01 0.04 0.00 0.00 0.00 0.74 0.00 0.00 0.88

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.00	0.01	0.01	0.00	0.00	0.00	1.67	0.00	0.00	1.75
0.00	0.01	0.01	0.00	0.00	0.00	1.67	0.00	0.00	1.75

Subtotal 0.00 0.01 0.01 0.00 0.00 0.00 1.67 0.00 0.00 1.75

PG&E Powerline Extension TOTAL 0.02 0.02 0.05 0.00 0.02 0.01 4.91 0.00 0.00 5.21

2021 Construction Mobile Source Assumptions Summary

Underground Shaft Contractors						
Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Workers	LDA, LDT1 & LDT2 Composite	0.12	10	1	2,740	329
Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Workers	LDA, LDT1 & LDT2 Composite	0.12	10	1	2,740	329
Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)			
Workers	LDA, LDT1 & LDT2 Composite	5	1,370			
Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)			

Raise Bore Contractor

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Workers	LDA, LDT1 & LDT2 Composite	0.12	8	1	480	58
Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Workers	LDA, LDT1 & LDT2 Composite	0.12	8	1	480	58
Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)			
Workers	LDA, LDT1 & LDT2 Composite	4	240			
Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)			

2021 Construction Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)										
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Running Exhaust, Tire Wear, and Break Wear									
	0.00	0.00	0.00	0.00	0.00	0.00		0.82	0.00	0.00
Subtotal	0.00	0.00	0.00	0.00	0.00	0.00		0.82	0.00	0.83
	PM10		PM2.5		Paved Road - PM only					
					0.02	0.00				
Subtotal					0.02	0.00				
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
	0.02	0.00	0.04	0.00	0.00	0.00		0.74	0.00	0.00
Subtotal	0.02	0.00	0.04	0.00	0.00	0.00		0.74	0.00	0.88
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Idling									
	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Subtotal	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Underground Shaft Contractors TOTAL	0.02	0.00	0.04	0.00	0.02	0.00		1.56	0.00	1.71
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Running Exhaust, Tire Wear, and Break Wear									
	0.00	0.00	0.00	0.00	0.00	0.00		0.66	0.00	0.00
Subtotal	0.00	0.00	0.00	0.00	0.00	0.00		0.66	0.00	0.67
	PM10		PM2.5		Paved Road - PM only					
					0.01	0.00				
Subtotal					0.01	0.00				
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
	0.01	0.00	0.03	0.00	0.00	0.00		0.59	0.00	0.00
Subtotal	0.01	0.00	0.03	0.00	0.00	0.00		0.59	0.00	0.70
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Idling									
	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Subtotal	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Raise Bore Contractor TOTAL	0.01	0.00	0.03	0.00	0.01	0.00		1.25	0.00	1.37

2021 Construction Mobile Source Assumptions Summary

Underground Construction						
Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Workers	LDA, LDT1 & LDT2 Composite	0.12	10	1	1,210	145
Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Workers	LDA, LDT1 & LDT2 Composite	0.12	10	1	1,210	145
Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)			
Workers	LDA, LDT1 & LDT2 Composite	5	605			
Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)			

2021 Construction Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)										
ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
Running Exhaust, Tire Wear, and Break Wear										
0.00	0.00	0.00	0.00	0.00	0.00		0.82	0.00	0.00	0.83
0.00	0.00	0.00	0.00	0.00	0.00		0.82	0.00	0.00	0.83
				PM10	PM2.5					
Paved Road - PM only										
				0.02	0.00					
				0.02	0.00					
ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap										
0.02	0.00	0.04	0.00	0.00	0.00		0.74	0.00	0.00	0.88
0.02	0.00	0.04	0.00	0.00	0.00		0.74	0.00	0.00	0.88
ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
Idling										
0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
0.02	0.00	0.04	0.00	0.02	0.00		1.56	0.00	0.00	1.71

Emissions - Daily (Pounds/Day)										
ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
0.0323	0.0931	0.1045	0.0001	0.0534	0.0140	12.5613	0.0016	0.0019	13.1570	
0.0388	0.0948	0.1200	0.0001	0.0595	0.0155	13.1861	0.0020	0.0020	13.8423	
0.0658	1.0024	0.4869	0.0016	0.3396	0.0879	171.3397	0.0034	0.0271	179.5132	
0.0447	0.0664	0.1298	0.0001	0.0587	0.0152	10.4076	0.0024	0.0017	10.9643	
0.0382	0.0647	0.1144	0.0001	0.0526	0.0136	9.7828	0.0020	0.0015	10.2790	
0.0447	0.0664	0.1298	0.0001	0.0587	0.0152	10.4076	0.0024	0.0017	10.9643	
0.0340	0.3080	0.1148	0.0004	0.0736	0.0199	40.9259	0.0020	0.0066	42.9536	
0.0170	0.0221	0.0482	0.0000	0.0223	0.0056	4.9060	0.0011	0.0009	5.2149	
0.0161	0.0043	0.0386	0.0000	0.0155	0.0038	1.5620	0.0011	0.0004	1.7133	
0.0129	0.0034	0.0309	0.0000	0.0124	0.0031	1.2496	0.0009	0.0003	1.3707	
0.0161	0.0043	0.0386	0.0000	0.0155	0.0038	1.5620	0.0011	0.0004	1.7133	
0.23	1.32	0.97	0.00	0.57	0.15	217.90	0.01	0.03	228.44	
0.30	1.70	1.20	0.00	0.70	0.18	268.61	0.02	0.04	281.67	
0.30	1.70	1.20	0.00	0.70	0.18	268.61	0.02	0.04	281.67	
0.26	1.63	1.09	0.00	0.64	0.17	258.83	0.01	0.04	271.39	
0.26	1.63	1.09	0.00	0.64	0.17	258.83	0.01	0.04	271.39	
0.23	1.32	0.97	0.00	0.57	0.15	217.90	0.01	0.03	228.44	
0.24	1.33	1.01	0.00	0.59	0.15	219.46	0.01	0.03	230.15	
0.27	1.35	1.09	0.00	0.62	0.16	225.62	0.01	0.04	236.74	
0.29	1.36	1.13	0.00	0.64	0.16	227.18	0.02	0.04	238.45	
0.26	1.33	1.05	0.00	0.60	0.16	221.03	0.01	0.04	231.87	
0.30	1.40	1.16	0.00	0.65	0.17	230.81	0.02	0.04	242.15	
0.30	1.40	1.16	0.00	0.65	0.17	230.81	0.02	0.04	242.15	
0.30	1.70	1.20	0.00	0.70	0.18	268.61	0.02	0.04	281.67	

2021 Construction Mobile Source Assumptions Summary

Project Management, Engineers, Surveyors, and Fuel

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	0.26	8	2	2,496	649
Fuel Trucks	MHDT	0.26	2	1	208	54

Workers	LDA, LDT1 & LDT2 Composite	0.12	12	1	3,744	449
Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	0.26	8	2	2,496	649
Fuel Trucks	MHDT	0.26	2	1	208	54
Workers	LDA, LDT1 & LDT2 Composite	0.12	12	1	3,744	449

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Pick-up Trucks	LHDT2	4	1,248
Fuel Trucks	MHDT	1	104
Workers	LDA, LDT1 & LDT2 Composite	6	1,872

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	20	6,240
Fuel Trucks	MHDT	5	520

Foundation and Concrete Contractor

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Concrete Trucks	MHDT	0.26	2	1	624	162
Pick-up Trucks	LHDT2	0.26	8	2	2,496	649
Workers	LDA, LDT1 & LDT2 Composite	0.12	16	2	4,992	599

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Concrete Trucks	MHDT	0.26	2	1	624	162
Pick-up Trucks	LHDT2	0.26	8	2	2,496	649
Workers	LDA, LDT1 & LDT2 Composite	0.12	16	2	4,992	599

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Concrete Trucks	MHDT	1	312
Pick-up Trucks	LHDT2	4	1,248
Workers	LDA, LDT1 & LDT2 Composite	8	2,496

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Concrete Trucks	MHDT	5	1,560
Pick-up Trucks	LHDT2	20	6,240

2021 Construction Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual

(Tons/Year)						(Metric Tons/Year)				

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.00	0.00	1.17
0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.07
0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.16
0.00	0.00	0.00	0.00	0.00	0.00	1.35	0.00	0.00	1.39

PM10		PM2.5	
Paved Road - PM only			
	0.00		0.00
	0.00		0.00
	0.00		0.00
	0.01		0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.01	0.00	0.00	0.00	0.13	0.00	0.00	0.15
0.00	0.00	0.01	0.00	0.00	0.00	0.13	0.00	0.00	0.16

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.10
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.02	0.00	0.01	0.00	1.48	0.00	0.00	1.55

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.21
0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.00	0.00	1.17
0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.21
0.00	0.00	0.00	0.00	0.00	0.00	1.54	0.00	0.00	1.59

PM10		PM2.5	
Paved Road - PM only			
	0.00		0.00
	0.00		0.00
	0.00		0.00
	0.01		0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.17	0.00	0.00
0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.17	0.00	0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.31
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.01	0.00	0.00	0.00	0.30	0.00	0.00	0.31
0.01	0.01	0.02	0.00	0.01	0.00	2.01	0.00	0.00	2.11

2021 Construction Mobile Source Assumptions Summary

Grading & Paving Contractor

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.26	2	1	624	162
Haul Trucks - Import Fill	HHDT	0.26	78	20	1,550	403
Water Trucks	MHDT	0.44	8	4	624	275
Workers	LDA, LDT1 & LDT2 Composite	0.12	12	1	3,744	449

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.26	2	1	624	162
Haul Trucks - Import Fill	HHDT	0.26	78	20	1,550	403
Water Trucks	MHDT	0.44	8	4	624	275
Workers	LDA, LDT1 & LDT2 Composite	0.12	12	1	3,744	449

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Haul Trucks	HHDT	1	312
Haul Trucks - Import Fill	HHDT	39	775
Water Trucks	MHDT	8	624
Workers	LDA, LDT1 & LDT2 Composite	6	3,744

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	5	1,560
Haul Trucks - Import Fill	HHDT	195	3,875
Water Trucks	MHDT	40	3,120

Building Contractor

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	0.26	8	2	2,496	649
Workers	LDA, LDT1 & LDT2 Composite	0.12	20	2	6,240	749

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	0.26	8	2	2,496	649
Workers	LDA, LDT1 & LDT2 Composite	0.12	20	2	6,240	749

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Pick-up Trucks	LHDT2	4	1,248
Workers	LDA, LDT1 & LDT2 Composite	10	3,120

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	20	6,240

2021 Construction Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.27
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.68
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.00	0.77
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.16
Subtotal	0.00	0.01	0.00	0.00	0.00	0.00	1.80	0.00	1.88

PM10	PM2.5
Paved Road - PM only	
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.01	0.00
Subtotal	0.01

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.25	0.00	0.30
Subtotal	0.01	0.00	0.01	0.00	0.00	0.00	0.25	0.00	0.30

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.25
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.62
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.62
Subtotal	0.00	0.01	0.01	0.00	0.00	0.00	1.42	0.00	1.49

Grading & Paving Contractor TOTAL 0.01 0.02 0.02 0.00 0.01 0.00 3.47 0.00 0.00 3.66

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.00	1.17
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.26
Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	1.39	0.00	1.43

PM10	PM2.5
Paved Road - PM only	
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.01	0.00
Subtotal	0.01

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.21	0.00	0.25
Subtotal	0.01	0.00	0.01	0.00	0.00	0.00	0.21	0.00	0.26

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00

Building Contractor TOTAL 0.01 0.01 0.02 0.00 0.01 0.00 1.60 0.00 0.00 1.68

2021 Construction Mobile Source Assumptions Summary

Ironworkers (Headframes)

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	0.26	8	2	400	104

Workers	LDA, LDT1 & LDT2 Composite	0.12	16	2	800	96

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	0.26	8	2	400	104
Workers	LDA, LDT1 & LDT2 Composite	0.12	16	2	800	96

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Pick-up Trucks	LHDT2	4	200
Workers	LDA, LDT1 & LDT2 Composite	8	400

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	20	1,000

Electrical & Mechanical Contractors

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	0.26	8	2	2,496	649

Workers	LDA, LDT1 & LDT2 Composite	0.12	20	2	6,240	749

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	0.26	8	2	2,496	649
Workers	LDA, LDT1 & LDT2 Composite	0.12	20	2	6,240	749

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Pick-up Trucks	LHDT2	4	1,248
Workers	LDA, LDT1 & LDT2 Composite	10	3,120

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	20	6,240

2021 Construction Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.19

Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03
	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.22

PM10	PM2.5
Paved Road - PM only	
0.00	0.00

Subtotal	0.00	0.00
	0.00	0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03
	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Ironworkers (Headframes) TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.25

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
Running Exhaust, Tire Wear, and Break Wear										
0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.00	0.00	1.17

Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.26
	0.00	0.00	0.00	0.00	0.00	0.00	1.39	0.00	0.00	1.43

PM10	PM2.5
Paved Road - PM only	
0.00	0.00

Subtotal	0.00	0.00
	0.01	0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01

Subtotal	0.01	0.00	0.01	0.00	0.00	0.00	0.21	0.00	0.00	0.25
	0.01	0.00	0.01	0.00	0.00	0.00	0.21	0.00	0.00	0.26

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									

Subtotal	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Electrical & Mechanical Contractors TOTAL	0.01	0.01	0.02	0.00	0.01	0.00	1.60	0.00	0.00	1.68

2021 Construction Mobile Source Assumptions Summary

Potable Water Installation Contractor

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.26	2	1	204	53
Water Trucks	MHDT	0.44	8	4	204	90

Workers LDA, LDT1 & LDT2 Composite 0.12 12 1 1,224 147

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.26	2	1	204	53
Water Trucks	MHDT	0.44	8	4	204	90

Workers LDA, LDT1 & LDT2 Composite 0.12 12 1 1,224 147

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)

Haul Trucks HHDT 1 102

Water Trucks MHDT 8 204

Workers LDA, LDT1 & LDT2 Composite 6 612

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	5	510
Water Trucks	MHDT	40	1,020

PG&E Powerline Extension

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.26	2	1	156	41
Workers	LDA, LDT1 & LDT2 Composite	0.12	10	1	780	94

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.26	2	1	156	41
Workers	LDA, LDT1 & LDT2 Composite	0.12	10	1	780	94

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)

Haul Trucks HHDT 1 78

Workers LDA, LDT1 & LDT2 Composite 5 390

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	5	390

2021 Construction Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.09
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.25

Subtotal 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.38 0.00 0.00 0.39

PM10	PM2.5
Paved Road - PM only	
0.00	0.00
0.00	0.00

Subtotal 0.00 0.00 0.00 0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Subtotal 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.04 0.00 0.00 0.05 0.00 0.00 0.00 0.05

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.08
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.20

Subtotal 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.27 0.00 0.00 0.28

Potable Water Installation Contractor TOTAL 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.69 0.00 0.00 0.73

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.07
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.03

Subtotal 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.10 0.00 0.00 0.10

PM10	PM2.5
Paved Road - PM only	
0.00	0.00

Subtotal 0.00 0.00 0.00 0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.03

Subtotal 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.03 0.00 0.00 0.03

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.06
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.06

Subtotal 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.06 0.00 0.00 0.06

PG&E Powerline Extension TOTAL 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.18 0.00 0.00 0.19

2021 Construction Mobile Source Assumptions Summary

Underground Shaft Contractors

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)

Workers	LDA, LDT1 & LDT2 Composite	0.12	10	1	2,740	329

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)

Workers	LDA, LDT1 & LDT2 Composite	0.12	10	1	2,740	329

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)

Workers	LDA, LDT1 & LDT2 Composite	5	1,370

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)

Raise Bore Contractor

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)

Workers	LDA, LDT1 & LDT2 Composite	0.12	8	1	480	58

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)

Workers	LDA, LDT1 & LDT2 Composite	0.12	8	1	480	58

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)

Workers	LDA, LDT1 & LDT2 Composite	4	240

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)

2021 Construction Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e

Running Exhaust, Tire Wear, and Break Wear									

Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.11
	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.11

PM10	PM2.5

Paved Road - PM only	

Subtotal	0.00	0.00
	0.00	0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e

Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									

Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.11
	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.11

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e

Idling									

Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Underground Shaft Contractors	TOTAL	0.00	0.00	0.01	0.00	0.00	0.00	0.20	0.00	0.00	0.22

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e

Running Exhaust, Tire Wear, and Break Wear									

Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02

PM10	PM2.5

Paved Road - PM only	

Subtotal	0.00	0.00
	0.00	0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e

Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									

Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e

Idling									

Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Raise Bore Contractor	TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04

2021 Construction Mobile Source Assumptions Summary

Underground Construction						
Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Workers	LDA, LDT1 & LDT2 Composite	0.12	10	1	1,210	145
Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Workers	LDA, LDT1 & LDT2 Composite	0.12	10	1	1,210	145
Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)			
Workers	LDA, LDT1 & LDT2 Composite	5	605			
Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)			

2021 Construction Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual										
ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
Running Exhaust, Tire Wear, and Break Wear										
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05
				PM10	PM2.5					
Paved Road - PM only										
				0.00	0.00					
				0.00	0.00					
ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap										
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.05
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.05
ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
Idling										
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.10

Emissions - Annual (Tons/Year)										
							(Metric Tons/Year)			
ROG	NOx	CO	SOx	PM10	PM2.5		CO2	CH4	N2O	CO2e
SUMMARY										
Project Management, Engineers, Surveyors, and Fuel	0.0050	0.0102	0.0155	0.0000	0.0076	0.0020	1.4829	0.0002	0.0002	1.5512
Foundation and Concrete Contractor	0.0061	0.0148	0.0187	0.0000	0.0093	0.0024	2.0089	0.0003	0.0003	2.1062
Grading & Paving Contractor	0.0070	0.0223	0.0214	0.0000	0.0085	0.0022	3.4696	0.0004	0.0006	3.6644
Building Contractor	0.0070	0.0104	0.0203	0.0000	0.0092	0.0024	1.6016	0.0003	0.0002	1.6840
Ironworkers (Headframes)	0.0010	0.0016	0.0029	0.0000	0.0013	0.0003	0.2417	0.0000	0.0000	0.2535
Electrical & Mechanical Contractors	0.0070	0.0104	0.0203	0.0000	0.0092	0.0024	1.6016	0.0003	0.0002	1.6840
Potable Water Installation Contractor	0.0012	0.0048	0.0036	0.0000	0.0019	0.0005	0.6894	0.0001	0.0001	0.7261
PG&E Powerline Extension	0.0007	0.0009	0.0019	0.0000	0.0009	0.0002	0.1826	0.0000	0.0000	0.1938
Underground Shaft Contractors	0.0022	0.0006	0.0053	0.0000	0.0021	0.0005	0.2046	0.0001	0.0001	0.2235
Raise Bore Contractor	0.0004	0.0001	0.0009	0.0000	0.0004	0.0001	0.0358	0.0000	0.0000	0.0392
Underground Construction	0.0010	0.0003	0.0023	0.0000	0.0009	0.0002	0.0904	0.0001	0.0000	0.0987
	0.0384	0.0763	0.1130	0.0001	0.0512	0.0132	11.6093	0.0020	0.0019	12.2246

Fugitive Dust 0.05 0.01

Pound/year Pound/hour

Asbestos 0.00995267 3.18996E-06

Silica 59.716039 0.019139756

Note: Assumes 0.01% asbestos and 60% silica content in fugitive dust.

2021 Construction Mobile Source Emissions Factors - EMFAC2017 - OnSite

Emission Factors: Summary

Project Vehicle	Vehicle Classes	Fuel	Speed	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
				Running Exhaust, Tire Wear, and Break Wear (grams/mile)								
Haul Trucks	HHDT	Diesel	Aggregate	0.106	3.823	0.430	0.014	0.152	0.088	1,457.141	0.005	0.229
Fuel Trucks	MHDT	Diesel	Aggregate	0.246	4.125	0.635	0.011	0.234	0.147	1,135.579	0.011	0.178
Concrete Trucks	MHDT	Diesel	Aggregate	0.246	4.125	0.635	0.011	0.234	0.147	1,135.579	0.011	0.178
Water Trucks	MHDT	Diesel	5 mph	1.467	10.570	2.575	0.023	0.350	0.258	2,434.962	0.068	0.383
Pick-up Trucks	LHDT2	Gas, Diesel (Aggregate)	5 mph	0.646	1.946	3.237	0.015	0.168	0.106	1,579.288	0.039	0.164
Workers	LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (Aggregate)	Aggregate	0.026	0.122	1.188	0.003	0.047	0.020	311.769	0.006	0.009

Project Vehicle	Vehicle Classes	PM10 PM2.5	
		Paved Road - PM Only (grams/mile)	
Haul Trucks	HHDT	5.786	1.420
Fuel Trucks	MHDT	5.786	1.420
Concrete Trucks	MHDT	5.786	1.420
Water Trucks	MHDT	5.786	1.420
Pick-up Trucks	LHDT2	5.786	1.420
Workers	LDA, LDT1 & LDT2 Composite	5.786	1.420

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap (grams/trip)								
Haul Trucks	HHDT	Diesel	0.000	2.098	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel Trucks	MHDT	Diesel	0.000	1.287	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Concrete Trucks	MHDT	Diesel	0.000	1.287	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water Trucks	MHDT	Diesel	0.000	1.287	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pick-up Trucks	LHDT2	Gas, Diesel (Aggregate)	0.288	0.121	0.442	0.000	0.000	0.000	4.715	0.007	0.009
Workers	LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (Aggregate)	1.457	0.359	3.220	0.001	0.002	0.002	66.880	0.096	0.036

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Idling (grams/Idle-min/vehicle)								
Haul Trucks	HHDT	Diesel	0.063	0.798	0.821	0.001	0.001	0.001	151.815	0.003	0.024
Fuel Trucks	MHDT	Diesel	0.027	2.045	0.442	0.002	0.006	0.006	190.639	0.001	0.030
Concrete Trucks	MHDT	Diesel	0.027	2.045	0.442	0.002	0.006	0.006	190.639	0.001	0.030
Water Trucks	MHDT	Diesel	0.027	2.045	0.442	0.002	0.006	0.006	190.639	0.001	0.030
Pick-up Trucks	LHDT2	Gas, Diesel (Aggregate)	0.156	1.086	0.767	0.000	0.012	0.012	0.000	0.000	0.000

Operation Mobile Source Emissions Factors - EMFAC2017 ROG

								STEX HOTSOAK RUNLOSS ROG RESTLOSS									
Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_RESTLOSS	ROG_DIURN	ROG_RESTLOSS - Calculated	ROG_DIURN - Calculated	DIURN_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)	(g/vehicle/day)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)
NORTHERN SIERRA AQMD	2021	HHDT	DSL	Aggregate	1,803.56	227,225.59	19,012.11 HHDT	0.106360298 0.1064	6.888554273 6.8886	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	-	-	0.0000
NORTHERN SIERRA AQMD	2021	MHDT	DSL	Aggregate	1,001.23	55,391.73	8,206.80 MHDT	0.246257066 0.2463	0.159003368 0.1590	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	-	-	0.0000
NORTHERN SIERRA AQMD	2021	MHDT	DSL	5		2,620.07	MHDT (5 mph)	1.467026572 1.4670									
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	Aggregate	272.51	9,478.09	4,059.92	0.129070421	0.997299664	0.255940738	0.141549634	0.95555758	0.019962691	0.050605544			
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	Aggregate	1,199.99	42,585.53	15,094.30 LHDT2	0.119189759 0.1210	0.132560475 0.2926	0 0.0542	0 0.0300	0 0.2025	0 0.0037	0 0.0094	0.000284	0.000720	0.2878
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		268.98		0.21714333									
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		748.85	LHDT2 (5 mph)	0.800620224 0.6464									
NORTHERN SIERRA AQMD	2021	LDA	GAS	Aggregate	50,020.79	1,980,152.24	231,741.50	0.016197859	0	0.379455336	0.155837702	0.302007814	0.153871048	0.276575976			
NORTHERN SIERRA AQMD	2021	LDA	DSL	Aggregate	803.06	30,252.29	3,638.26	0.025882556	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2021	LDA	ELEC	Aggregate	733.62	31,581.92	3,668.49	0	0	0	0.004888026	0	0.003315792	0.014443311			
NORTHERN SIERRA AQMD	2021	LDT1	GAS	Aggregate	9,162.26	321,109.72	40,525.14	0.044027499	0	0.625639306	0.312754409	1.24949063	0.319931392	0.605957031			
NORTHERN SIERRA AQMD	2021	LDT1	DSL	Aggregate	10.97	165.34	34.87	0.205278598	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2021	LDT1	ELEC	Aggregate	21.20	936.71	106.78	0	0	0	0.004888026	0	0.003296688	0.014340793			
NORTHERN SIERRA AQMD	2021	LDT2	GAS	Aggregate	33,340.32	1,175,505.71	148,504.39	0.03875336	0	0.66862125	0.263431948	0.997893109	0.283400635	0.517829645			
NORTHERN SIERRA AQMD	2021	LDT2	DSL	Aggregate	169.82	7,333.57	814.21	0.026089882	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2021	LDT2	ELEC	Aggregate	109.14	3,915.71	553.53	0	0	0	0.004888026	0	0.003296363	0.014402753			
LDA, LDT1, LDT2 Composite								0.0261	0.0000	0.4949	0.2047	0.6258	0.2128	0.3885	0.046742	0.085346	1.4574

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12	0.061453538	6.790248031	0	0	0	0	0	-	-	0.0000
							HHDT (Agg)	0.0615	6.7902	0.0000	0.0000	0.0000	0.0000	0.0000			
NORTHERN SIERRA AQMD	2022	HHDT	DSL	10		6,268.57		0.3628									
							HHDT (10 mph)	0.3628									
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53	0.119189759	0.132560475	0	0	0	0	0	-	-	0.0000
							MHDT	0.1192	0.1326	0.0000	0.0000	0.0000	0.0000	0.0000			
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.061335599	0.456686596	0.157561898	0.156252384	1.147098882	0.018590698	0.047186299			
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.187300062	0.109759705	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	MHDT	GAS	Aggregate	148.18	6,836.59	2,964.81	0.129070421	0.997299664	0.255940738	0.141549634	0.95555758	0.019962691	0.050605544			
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53	0.119189759	0.132560475	0	0	0	0	0			
							LHDT2 & MHDT Composite	0.1399	0.2060	0.0467	0.0351	0.2491	0.0031	0.0078	0.000267	0.000677	0.3318
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.038420501	0	0.57320665	0.297246079	1.179465326	0.304932505	0.570871232			
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.195542896	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.004888026	0	0.003290504	0.014322345			
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.034824933	0	0.625335427	0.258618407	0.977886454	0.282007847	0.508333692			
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.024969151	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.004888026	0	0.003294658	0.014389976			
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.161437447	0.457872227	0.186536017	0.261273242	2.527399415	0.030304906	0.08291958			
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.233234379	0.109759705	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.061335599	0.456686596	0.157561898	0.156252384	1.147098882	0.018590698	0.047186299			
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.187300062	0.109759705	0	0	0	0	0			
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.0620	0.0429	0.3982	0.2018	1.0131	0.2359	0.4308	0.039019	0.071257	1.7233
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.01351942	0	0.340518542	0.143835254	0.283570011	0.142351135	0.253361934			
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.023183727	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0	0.004888026	0	0.003310354	0.014423169			
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.038420501	0	0.57320665	0.297246079	1.179465326	0.304932505	0.570871232			
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.195542896	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.004888026	0	0.003290504	0.014322345			
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.034824933	0	0.625335427	0.258618407	0.977886454	0.282007847	0.508333692			
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.024969151	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.004888026	0	0.003294658	0.014389976			
							LDA, LDT1, LDT2 Composite	0.0225	0.0000	0.4509	0.1937	0.5955	0.2034	0.3670	0.044634	0.080541	1.3653

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Operation Mobile Source Emissions Factors - EMFAC2017 NOx

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	NOx_RUNEX (g/mile)	NOx_IDLEX (g/vehicle/day)	NOx_STREX (g/trip)
NORTHERN SIERRA AQMD	2021	HHDT	DSL	Aggregate	1,803.56	227,225.59	19,012.11 HHDT	3.823196027 3.8232	87.30408507 87.3041	2.097861901 2.0979
NORTHERN SIERRA AQMD	2021	MHDT	DSL	Aggregate	1,001.23	55,391.73	8,206.80 MHDT	4.124717971 4.1247	11.98417638 11.9842	1.287277811 1.2873
NORTHERN SIERRA AQMD	2021	MHDT	DSL	5		2,620.07	MHDT (5 mph)	10.57032104 10.5703		
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	Aggregate	272.51	9,478.09	4,059.92	0.365454512	0.040522578	0.572330523
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	Aggregate	1,199.99	42,585.53	15,094.30 LHDT2	2.765929969 2.3289	2.482919311 2.0309	0 0.1213
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		268.98		0.512102132		
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		748.85	LHDT2 (5 mph)	2.460505599 1.9456		
NORTHERN SIERRA AQMD	2021	LDA	GAS	Aggregate	50,020.79	1,980,152.24	231,741.50	0.063450539	0	0.258737394
NORTHERN SIERRA AQMD	2021	LDA	DSL	Aggregate	803.06	30,252.29	3,638.26	0.181669855	0	0
NORTHERN SIERRA AQMD	2021	LDA	ELEC	Aggregate	733.62	31,581.92	3,668.49	0	0	0
NORTHERN SIERRA AQMD	2021	LDT1	GAS	Aggregate	9,162.26	321,109.72	40,525.14	0.176307728	0	0.38107856
NORTHERN SIERRA AQMD	2021	LDT1	DSL	Aggregate	10.97	165.34	34.87	1.160702325	0	0
NORTHERN SIERRA AQMD	2021	LDT1	ELEC	Aggregate	21.20	936.71	106.78	0	0	0
NORTHERN SIERRA AQMD	2021	LDT2	GAS	Aggregate	33,340.32	1,175,505.71	148,504.39	0.207811169	0	0.532114105
NORTHERN SIERRA AQMD	2021	LDT2	DSL	Aggregate	169.82	7,333.57	814.21	0.146569262	0	0
NORTHERN SIERRA AQMD	2021	LDT2	ELEC	Aggregate	109.14	3,915.71	553.53	0	0	0
						LDA, LDT1, LDT2 Composite		0.1220	0.0000	0.3595

Operation Mobile Source Emissions Factors - EMFAC2017 CO

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CO_RUNEX (g/mile)	CO_IDLEX (g/vehicle/day)	CO_STREX (g/trip)
NORTHERN SIERRA AQMD	2021	HHDT	DSL	Aggregate	1,803.56	227,225.59	19,012.11 HHDT	0.429658234 0.4297	89.79139794 89.7914	0 0.0000
NORTHERN SIERRA AQMD	2021	MHDT	DSL	Aggregate	1,001.23	55,391.73	8,206.80 MHDT	0.634665991 0.6347	2.587548026 2.5875	0 0.0000
NORTHERN SIERRA AQMD	2021	MHDT	DSL	5		2,620.07	MHDT (5 mph)	2.574565373 2.5746		
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	Aggregate	272.51	9,478.09	4,059.92	1.312819394	3.74559432	2.086523796
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	Aggregate	1,199.99	42,585.53	15,094.30 LHDT2	0.89778259 0.9733	0.909745076 1.4346	0 0.4423
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		268.98		2.509046081		
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		748.85	LHDT2 (5 mph)	3.498868014 3.2373		
NORTHERN SIERRA AQMD	2021	LDA	GAS	Aggregate	50,020.79	1,980,152.24	231,741.50	0.861016322	0	2.908988577
NORTHERN SIERRA AQMD	2021	LDA	DSL	Aggregate	803.06	30,252.29	3,638.26	0.348449902	0	0
NORTHERN SIERRA AQMD	2021	LDA	ELEC	Aggregate	733.62	31,581.92	3,668.49	0	0	0
NORTHERN SIERRA AQMD	2021	LDT1	GAS	Aggregate	9,162.26	321,109.72	40,525.14	1.792376774	0	3.328760726
NORTHERN SIERRA AQMD	2021	LDT1	DSL	Aggregate	10.97	165.34	34.87	1.156766383	0	0
NORTHERN SIERRA AQMD	2021	LDT1	ELEC	Aggregate	21.20	936.71	106.78	0	0	0
NORTHERN SIERRA AQMD	2021	LDT2	GAS	Aggregate	33,340.32	1,175,505.71	148,504.39	1.637272783	0	3.866937853
NORTHERN SIERRA AQMD	2021	LDT2	DSL	Aggregate	169.82	7,333.57	814.21	0.229867106	0	0
NORTHERN SIERRA AQMD	2021	LDT2	ELEC	Aggregate	109.14	3,915.71	553.53	0	0	0
LDA, LDT1, LDT2 Composite								1.1877	0.0000	3.2200

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 SO2

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	SO2_RUNEX (g/mile)	SO2_IDLEX (g/vehicle/day)	SO2_STREX (g/trip)
NORTHERN SIERRA AQMD	2021	HHDT	DSL	Aggregate	1,803.56	227,225.59	19,012.11 HHDT	0.013766344 0.0138	0.156909036 0.1569	0 0.0000
NORTHERN SIERRA AQMD	2021	MHDT	DSL	Aggregate	1,001.23	55,391.73	8,206.80 MHDT	0.010728383 0.0107	0.010554251 0.0106	0 0.0000
NORTHERN SIERRA AQMD	2021	MHDT	DSL	5		2,620.07	MHDT (5 mph)	0.02300431 0.0230		
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	Aggregate	272.51	9,478.09	4,059.92	0.011674983	0.001406211	0.000220113
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	Aggregate	1,199.99	42,585.53	15,094.30 LHDT2	0.00617217 0.0072	0.002130216 0.0020	0 0.0000
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		268.98		0.021954072		
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		748.85	LHDT2 (5 mph)	0.012759319 0.0152		
NORTHERN SIERRA AQMD	2021	LDA	GAS	Aggregate	50,020.79	1,980,152.24	231,741.50	0.002749812	0	0.000584907
NORTHERN SIERRA AQMD	2021	LDA	DSL	Aggregate	803.06	30,252.29	3,638.26	0.00208415	0	0
NORTHERN SIERRA AQMD	2021	LDA	ELEC	Aggregate	733.62	31,581.92	3,668.49	0	0	0
NORTHERN SIERRA AQMD	2021	LDT1	GAS	Aggregate	9,162.26	321,109.72	40,525.14	0.003314298	0	0.000710959
NORTHERN SIERRA AQMD	2021	LDT1	DSL	Aggregate	10.97	165.34	34.87	0.003852943	0	0
NORTHERN SIERRA AQMD	2021	LDT1	ELEC	Aggregate	21.20	936.71	106.78	0	0	0
NORTHERN SIERRA AQMD	2021	LDT2	GAS	Aggregate	33,340.32	1,175,505.71	148,504.39	0.00370705	0	0.000807753
NORTHERN SIERRA AQMD	2021	LDT2	DSL	Aggregate	169.82	7,333.57	814.21	0.002840869	0	0
NORTHERN SIERRA AQMD	2021	LDT2	ELEC	Aggregate	109.14	3,915.71	553.53	0	0	0
							LDA, LDT1, LDT2 Composite	0.0031	0.0000	0.0007

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 PM10

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW	PM10_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/mile)	(g/mile)	(g/mile)
NORTHERN SIERRA AQMD	2021	HHDT	DSL	Aggregate	1,803.56	227,225.59	19,012.11	0.055150799	0.142046897	0	0.035667842	0.061170349	
							HHDT	0.0552	0.1420	0.0000	0.0357	0.0612	0.151989
NORTHERN SIERRA AQMD	2021	MHDT	DSL	Aggregate	1,001.23	55,391.73	8,206.80	0.092012243	0.037999825	0	0.012000003	0.130340037	
							MHDT	0.0920	0.0380	0.0000	0.0120	0.1303	0.234352
NORTHERN SIERRA AQMD	2021	MHDT	DSL	5		2,620.07		0.207634855					
							MHDT (5 mph)	0.2076	0.0380	0.0000	0.0120	0.1303	0.349975
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	Aggregate	272.51	9,478.09	4,059.92	0.002417267	0	0.000435666	0.008000002	0.089180026	
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	Aggregate	1,199.99	42,585.53	15,094.30	0.033755596	0.027662954	0	0.012000003	0.089180026	
							LHDT2	0.0281	0.0225	0.0001	0.0113	0.0892	0.128503
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		268.98		0.008235635					
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		748.85		0.089118105					
							LHDT2 (5 mph)	0.0677	0.0225	0.0001	0.0113	0.0892	0.168195
NORTHERN SIERRA AQMD	2021	LDA	GAS	Aggregate	50,020.79	1,980,152.24	231,741.50	0.001779676	0	0.002266989	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2021	LDA	DSL	Aggregate	803.06	30,252.29	3,638.26	0.012633655	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2021	LDA	ELEC	Aggregate	733.62	31,581.92	3,668.49	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2021	LDT1	GAS	Aggregate	9,162.26	321,109.72	40,525.14	0.002640794	0	0.003189608	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2021	LDT1	DSL	Aggregate	10.97	165.34	34.87	0.175919748	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2021	LDT1	ELEC	Aggregate	21.20	936.71	106.78	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2021	LDT2	GAS	Aggregate	33,340.32	1,175,505.71	148,504.39	0.002002229	0	0.002467045	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2021	LDT2	DSL	Aggregate	169.82	7,333.57	814.21	0.010158768	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2021	LDT2	ELEC	Aggregate	109.14	3,915.71	553.53	0	0	0	0.008000002	0.036750011	
							LDA, LDT1, LDT2 Composite	0.0020	0.0000	0.0024	0.0080	0.0368	0.046781

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Operation Mobile Source Emissions Factors - EMFAC2017 PM2.5

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	PM2.5_RUNEX	PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW	PM2.5_Combined
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/mile)	(g/mile)	Calculated
NORTHERN SIERRA AQMD	2021	HHDT	DSL	Aggregate	1,803.56	227,225.59	19,012.11	0.052765	0.135902011	0	0.008916961	0.026215864	0.087898
							HHDT	0.0528	0.1359	0.0000	0.0089	0.0262	
NORTHERN SIERRA AQMD	2021	MHDT	DSL	Aggregate	1,001.23	55,391.73	8,206.80	0.088031834	0.03635597	0	0.003000001	0.055860016	0.146892
							MHDT	0.0880	0.0364	0.0000	0.0030	0.0559	
NORTHERN SIERRA AQMD	2021	MHDT	DSL	5		2,620.07		0.198652663					0.257513
							MHDT (5 mph)	0.1987	0.0364	0.0000	0.0030	0.0559	
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	Aggregate	272.51	9,478.09	4,059.92	0.002222588	0	0.000400579	0.002000001	0.038220011	0.067859
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	Aggregate	1,199.99	42,585.53	15,094.30	0.032295344	0.026466267	0	0.003000001	0.038220011	
							LHDT2	0.0268	0.0216	0.0001	0.0028	0.0382	
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		268.98		0.007572362					0.105770
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		748.85		0.085262895					
							LHDT2 (5 mph)	0.0647	0.0216	0.0001	0.0028	0.0382	
NORTHERN SIERRA AQMD	2021	LDA	GAS	Aggregate	50,020.79	1,980,152.24	231,741.50	0.00163639	0	0.002084636	0.002000001	0.015750005	0.019622
NORTHERN SIERRA AQMD	2021	LDA	DSL	Aggregate	803.06	30,252.29	3,638.26	0.012087129	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2021	LDA	ELEC	Aggregate	733.62	31,581.92	3,668.49	0	0	0	0.002000001	0.015750005	0.019622
NORTHERN SIERRA AQMD	2021	LDT1	GAS	Aggregate	9,162.26	321,109.72	40,525.14	0.002428533	0	0.00293358	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2021	LDT1	DSL	Aggregate	10.97	165.34	34.87	0.168309537	0	0	0.002000001	0.015750005	0.019622
NORTHERN SIERRA AQMD	2021	LDT1	ELEC	Aggregate	21.20	936.71	106.78	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2021	LDT2	GAS	Aggregate	33,340.32	1,175,505.71	148,504.39	0.001841113	0	0.002268652	0.002000001	0.015750005	0.019622
NORTHERN SIERRA AQMD	2021	LDT2	DSL	Aggregate	169.82	7,333.57	814.21	0.009719304	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2021	LDT2	ELEC	Aggregate	109.14	3,915.71	553.53	0	0	0	0.002000001	0.015750005	
							LDA, LDT1, LDT2 Composite	0.0019	0.0000	0.0022	0.0020	0.0158	

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 CH4

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CH4_RUNEX (g/mile)	CH4_IDLEX (g/vehicle/day)	CH4_STREX (g/trip)
NORTHERN SIERRA AQMD	2021	HHDT	DSL	Aggregate	1,803.56	227,225.59	19,012.11 HHDT	0.00494016 0.0049	0.319955504 0.3200	0 0.0000
NORTHERN SIERRA AQMD	2021	MHDT	DSL	Aggregate	1,001.23	55,391.73	8,206.80 MHDT	0.011438003 0.0114	0.007385295 0.0074	0 0.0000
NORTHERN SIERRA AQMD	2021	MHDT	DSL	5		2,620.07	MHDT (5 mph)	0.068139585 0.0681		
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	Aggregate	272.51	9,478.09	4,059.92	0.014169476	0.125063486	0.032043757
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	Aggregate	1,199.99	42,585.53	15,094.30 LHDT2	0.008779444 0.0098	0.005098128 0.0273	0 0.0068
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		268.98		0.045252296		
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		748.85	LHDT2 (5 mph)	0.037187279 0.0393		
NORTHERN SIERRA AQMD	2021	LDA	GAS	Aggregate	50,020.79	1,980,152.24	231,741.50	0.003865869	0	0.07743448
NORTHERN SIERRA AQMD	2021	LDA	DSL	Aggregate	803.06	30,252.29	3,638.26	0.001202195	0	0
NORTHERN SIERRA AQMD	2021	LDA	ELEC	Aggregate	733.62	31,581.92	3,668.49	0	0	0
NORTHERN SIERRA AQMD	2021	LDT1	GAS	Aggregate	9,162.26	321,109.72	40,525.14	0.009489037	0	0.115617668
NORTHERN SIERRA AQMD	2021	LDT1	DSL	Aggregate	10.97	165.34	34.87	0.009534798	0	0
NORTHERN SIERRA AQMD	2021	LDT1	ELEC	Aggregate	21.20	936.71	106.78	0	0	0
NORTHERN SIERRA AQMD	2021	LDT2	GAS	Aggregate	33,340.32	1,175,505.71	148,504.39	0.008533253	0	0.125930066
NORTHERN SIERRA AQMD	2021	LDT2	DSL	Aggregate	169.82	7,333.57	814.21	0.001211825	0	0
NORTHERN SIERRA AQMD	2021	LDT2	ELEC	Aggregate	109.14	3,915.71	553.53	0	0	0
LDA, LDT1, LDT2 Composite								0.0059	0.0000	0.0962

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 CO2

Region	CalYr	VehClass	Fuel	Speed	Population	VTM	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX
								(g/mile)	(g/vehicle/day)	(g/trip)
NORTHERN SIERRA AQMD	2021	HHDT	DSL	Aggregate	1,803.56	227,225.59	19,012.11 HHDT	1457.140816 1457.1408	16608.51729 16608.5173	0 0.0000
NORTHERN SIERRA AQMD	2021	MHDT	DSL	Aggregate	1,001.23	55,391.73	8,206.80 MHDT	1135.578505 1135.5785	1117.146988 1117.1470	0 0.0000
NORTHERN SIERRA AQMD	2021	MHDT	DSL	5		2,620.07	MHDT (5 mph)	2434.961583 2434.9616		
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	Aggregate	272.51	9,478.09	4,059.92	1179.79042	142.1016282	22.24309504
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	Aggregate	1,199.99	42,585.53	15,094.30 LHDT2	652.8912092 748.8123	225.3339122 209.9306	0 4.7146
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		268.98		2218.521874		
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		748.85	LHDT2 (5 mph)	1349.678912 1579.2878		
NORTHERN SIERRA AQMD	2021	LDA	GAS	Aggregate	50,020.79	1,980,152.24	231,741.50	277.8763893	0	59.1065644
NORTHERN SIERRA AQMD	2021	LDA	DSL	Aggregate	803.06	30,252.29	3,638.26	220.4610418	0	0
NORTHERN SIERRA AQMD	2021	LDA	ELEC	Aggregate	733.62	31,581.92	3,668.49	0	0	0
NORTHERN SIERRA AQMD	2021	LDT1	GAS	Aggregate	9,162.26	321,109.72	40,525.14	334.9192737	0	71.84447117
NORTHERN SIERRA AQMD	2021	LDT1	DSL	Aggregate	10.97	165.34	34.87	407.5637124	0	0
NORTHERN SIERRA AQMD	2021	LDT1	ELEC	Aggregate	21.20	936.71	106.78	0	0	0
NORTHERN SIERRA AQMD	2021	LDT2	GAS	Aggregate	33,340.32	1,175,505.71	148,504.39	374.6080385	0	81.62573766
NORTHERN SIERRA AQMD	2021	LDT2	DSL	Aggregate	169.82	7,333.57	814.21	300.5066901	0	0
NORTHERN SIERRA AQMD	2021	LDT2	ELEC	Aggregate	109.14	3,915.71	553.53	0	0	0
LDA, LDT1, LDT2 Composite								311.7692	0.0000	66.8799

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 N2O

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	N2O_RUNEX (g/mile)	N2O_IDLEX (g/vehicle/day)	N2O_STREX (g/trip)
NORTHERN SIERRA AQMD	2021	HHDT	DSL	Aggregate	1,803.56	227,225.59	19,012.11 HHDT	0.229042244 0.2290	2.61062763 2.6106	0 0.0000
NORTHERN SIERRA AQMD	2021	MHDT	DSL	Aggregate	1,001.23	55,391.73	8,206.80 MHDT	0.178497127 0.1785	0.175599949 0.1756	0 0.0000
NORTHERN SIERRA AQMD	2021	MHDT	DSL	5		2,620.07	MHDT (5 mph)	0.382742052 0.3827		
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	Aggregate	272.51	9,478.09	4,059.92	0.021567206	0.003054513	0.042276547
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	Aggregate	1,199.99	42,585.53	15,094.30 LHDT2	0.102625406 0.0879	0.035419353 0.0294	0 0.0090
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		268.98		0.030978837		
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		748.85	LHDT2 (5 mph)	0.21215073 0.1643		
NORTHERN SIERRA AQMD	2021	LDA	GAS	Aggregate	50,020.79	1,980,152.24	231,741.50	0.006131701	0	0.030823955
NORTHERN SIERRA AQMD	2021	LDA	DSL	Aggregate	803.06	30,252.29	3,638.26	0.034653406	0	0
NORTHERN SIERRA AQMD	2021	LDA	ELEC	Aggregate	733.62	31,581.92	3,668.49	0	0	0
NORTHERN SIERRA AQMD	2021	LDT1	GAS	Aggregate	9,162.26	321,109.72	40,525.14	0.011961915	0	0.035883083
NORTHERN SIERRA AQMD	2021	LDT1	DSL	Aggregate	10.97	165.34	34.87	0.06406334	0	0
NORTHERN SIERRA AQMD	2021	LDT1	ELEC	Aggregate	21.20	936.71	106.78	0	0	0
NORTHERN SIERRA AQMD	2021	LDT2	GAS	Aggregate	33,340.32	1,175,505.71	148,504.39	0.013252118	0	0.04521876
NORTHERN SIERRA AQMD	2021	LDT2	DSL	Aggregate	169.82	7,333.57	814.21	0.047235467	0	0
NORTHERN SIERRA AQMD	2021	LDT2	ELEC	Aggregate	109.14	3,915.71	553.53	0	0	0
LDA, LDT1, LDT2 Composite								0.0093	0.0000	0.0356

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Paved Road Fugitive Emissions - Operation Mobile Sources

Equation:

$$E = k \times (sL/2)^{0.91} \times (W)1.02 \text{ [maximum day]}$$

Where:

		Units
k	particle size multiplier (PM ₁₀)	0.00220 lb/VMT
k	particle size multiplier (PM _{2.5})	0.00054 lb/VMT
sL	silt loading	0.6 g/m ²
W	average weight (tons) of the vehicle traveling the road	8.8 tons

Notes/References:

k = Emission factors from CalEEMod2020.4.0 per AP-42, Section 13.2.1 (Paved Roads).

sL = silt loading per AP-42, Section 13.2.1 (Paved Roads).

W = Average vehicle weight calculated for the project site per AP-42, Section 13.2.1 (Paved Roads) equation.

For daily emissions it is assumed to have no precipitation.

Per AP-42, Section 13.2.1 (Paved Roads): The above equation calls for the average weight of all vehicles traveling the road. For example, if 99 percent of traffic on the road are 2 ton cars/trucks while the remaining 1 percent consists of 20 ton trucks, then the mean weight "W" is 2.2 tons. More specifically, the above equation is not intended to be used to calculate a separate emission factor for each vehicle weight class. Instead, only one emission factor should be calculated to represent the "fleet" average weight of all vehicles traveling the road.

Vehicle	Average Daily Trips	Total Distance (miles)	Total Vehicle Miles Traveled	Weight (tons)
Haul Trucks	50	0.82	41	20.8
Freight Trucks	0.43	0.52	0	27.5
Concentrate Trucks	1.0	0.52	1	27.5
Explosives Trucks	0.14	0.52	0	27.5
Fuel Trucks	0.15	0.52	0	27.5
Cement Trucks	1.28	0.52	1	27.5
Outside Services (light vehicles)	3.0	0.52	2	12.5
Light Trucks	80	0.52	41	3.45
Employee Vehicles	325	0.12	38	2.25
Forklifts			60	5
Wheel Loader	150	0.05	7	33
Weighted Average			191	8.8

Emission Factors	PM10 Paved Road (lb/VMT)	PM2.5 Paved Road (lb/VMT)	PM10 Paved Road (g/VMT)	PM2.5 Paved Road (g/VMT)
All Vehicles	0.0128	0.0031	5.7858	1.4202

On-Road Vehicles - 2022
OffSite

2022 Operation Mobile Source Assumptions Summary

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	1.8	200	360	36,500	65,700
Freight Trucks	HHDT	60	6	360	312	18,720
Concentrate Trucks	HHDT	145	10	1,450	728	105,560
Explosives Trucks	HHDT	60	2	120	104	6,240
Fuel Trucks	MHDT	3.5	6	21	108	378
Cement Trucks	MHDT	60	4	240	936	56,160
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	5	8	40	2,184	10,920
Employees	LDA, LDT1 & LDT2 Composite	14.7	356	5,233	120,788	1,775,584

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	1.8	200	360	36,500	65,700
Freight Trucks	HHDT	60	6	360	312	18,720
Concentrate Trucks	HHDT	145	10	1,450	728	105,560
Explosives Trucks	HHDT	60	2	120	104	6,240
Fuel Trucks	MHDT	3.5	6	21	108	378
Cement Trucks	MHDT	60	4	240	936	56,160
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	5	8	40	2,184	10,920
Employees	LDA, LDT1 & LDT2 Composite	14.7	356	5,233	120,788	1,775,584

Project Vehicle	EMFAC Class	Max Daily Trips (trips/day)	Annual Trips (trips/year)
Haul Trucks	HHDT	100	18,250
Freight Trucks	HHDT	3	156
Concentrate Trucks	HHDT	5	364
Explosives Trucks	HHDT	1	52
Fuel Trucks	MHDT	3	54
Cement Trucks	MHDT	2	468
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	4	1,092
Employees	LDA, LDT1 & LDT2 Composite	178	60,394

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	500	91,250
Freight Trucks	HHDT	15	780
Concentrate Trucks	HHDT	25	1,820
Explosives Trucks	HHDT	5	260
Fuel Trucks	MHDT	15	270
Cement Trucks	MHDT	10	2,340
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	20	5,460

2022 Operation Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.05	2.64	0.24	0.00	0.10	0.05	1,126.09	0.00	0.18	1,178.89
0.05	2.64	0.24	0.00	0.10	0.05	1,126.09	0.00	0.18	1,178.89
0.20	10.65	0.99	0.01	0.42	0.22	4,535.63	0.01	0.71	4,748.31
0.02	0.88	0.08	0.00	0.03	0.02	375.36	0.00	0.06	392.96
0.01	0.14	0.02	0.00	0.01	0.00	51.13	0.00	0.01	53.54
0.06	1.64	0.19	0.01	0.10	0.05	584.38	0.00	0.09	611.83
0.01	0.05	0.14	0.00	0.01	0.00	37.26	0.00	0.00	37.84
0.26	1.22	0.00	0.03	0.54	0.23	3,483.47	0.06	0.10	3,513.74
Subtotal	0.64	19.88	1.90	0.05	1.32	11,319.40	0.08	1.32	11,715.99

PM10	PM2.5
Paved Road - PM only	
0.84	0.21
0.24	0.06
0.96	0.24
0.08	0.02
0.05	0.01
0.16	0.04
0.09	0.02
3.46	0.85
Subtotal	5.88

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.02	0.00	0.02	0.00	0.00	0.00	0.44	0.00	0.00	0.54
0.54	0.13	1.22	0.00	0.00	0.00	25.44	0.03	0.01	30.29
Subtotal	0.55	0.70	1.24	0.00	0.00	25.88	0.04	0.01	30.83

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.07	0.88	0.95	0.00	0.00	0.00	169.94	0.00	0.03	177.98
0.00	0.03	0.03	0.00	0.00	0.00	5.10	0.00	0.00	5.34
0.00	0.04	0.05	0.00	0.00	0.00	8.50	0.00	0.00	8.90
0.00	0.01	0.01	0.00	0.00	0.00	1.70	0.00	0.00	1.78
0.00	0.06	0.01	0.00	0.00	0.00	6.16	0.00	0.00	6.45
0.00	0.04	0.01	0.00	0.00	0.00	4.11	0.00	0.00	4.30
0.00	0.01	0.01	0.00	0.00	0.00	0.65	0.00	0.00	0.67
Subtotal	0.08	1.07	1.07	0.00	0.00	196.15	0.00	0.03	205.43
TOTAL	1.27	21.65	4.22	0.05	7.20	2.08	11,541.43	0.12	1.37

2022 Operation Mobile Source Assumptions Summary

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	1.8	200	360	36,500	65,700
Freight Trucks	HHDT	60	6	360	312	18,720
Concentrate Trucks	HHDT	145	10	1,450	728	105,560
Explosives Trucks	HHDT	60	2	120	104	6,240
Fuel Trucks	MHDT	3.5	6	21	108	378
Cement Trucks	MHDT	60	4	240	936	56,160
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	5	8	40	2,184	10,920
Employees	LDA, LDT1 & LDT2 Composite	14.7	356	5,233	120,788	1,775,584

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	1.8	200	360	36,500	65,700
Freight Trucks	HHDT	60	6	360	312	18,720
Concentrate Trucks	HHDT	145	10	1,450	728	105,560
Explosives Trucks	HHDT	60	2	120	104	6,240
Fuel Trucks	MHDT	3.5	6	21	108	378
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Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	5	8	40	2,184	10,920
Employees	LDA, LDT1 & LDT2 Composite	14.7	356	5,233	120,788	1,775,584

Project Vehicle	EMFAC Class	Max Daily Trips (trips/day)	Annual Trips (trips/year)
Haul Trucks	HHDT	100	18,250
Freight Trucks	HHDT	3	156
Concentrate Trucks	HHDT	5	364
Explosives Trucks	HHDT	1	52
Fuel Trucks	MHDT	3	54
Cement Trucks	MHDT	2	468
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	4	1,092
Employees	LDA, LDT1 & LDT2 Composite	178	60,394

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	500	91,250
Freight Trucks	HHDT	15	780
Concentrate Trucks	HHDT	25	1,820
Explosives Trucks	HHDT	5	260
Fuel Trucks	MHDT	15	270
Cement Trucks	MHDT	10	2,340
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	20	5,460

2022 Operation Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual									
(Tons/Year)						(Metric Tons/Year)			
ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
	0.00	0.24	0.02	0.00	0.01	0.00	93.22	0.00	0.01
	0.00	0.07	0.01	0.00	0.00	0.00	26.56	0.00	0.00
	0.01	0.39	0.04	0.00	0.02	0.01	149.77	0.00	0.02
	0.00	0.02	0.00	0.00	0.00	0.00	8.85	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00
	0.01	0.19	0.02	0.00	0.01	0.01	62.03	0.00	0.01
	0.00	0.01	0.02	0.00	0.00	0.00	4.61	0.00	0.00
	0.04	0.21	0.00	0.01	0.09	0.04	536.11	0.01	0.01
Subtotal	0.07	1.13	0.11	0.01	0.13	0.06	881.57	0.01	0.07

PM10	PM2.5
Paved Road - PM only	
	0.08
	0.01
	0.03
	0.00
	0.00
	0.02
	0.01
	0.59
Subtotal	0.74

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00
	0.09	0.02	0.21	0.00	0.00	0.00	3.92	0.01	0.00
Subtotal	0.09	0.07	0.21	0.00	0.00	0.00	3.97	0.01	0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
	0.01	0.08	0.09	0.00	0.00	0.00	14.07	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00
Subtotal	0.01	0.09	0.09	0.00	0.00	0.00	15.07	0.00	0.00
TOTAL	0.17	1.29	0.41	0.01	0.87	0.24	900.61	0.02	0.07

2022 Operation Mobile Source Emissions Factors - EMFAC2017
Emission Factors: Summary

Project Vehicle	Vehicle Classes	Fuel	Speed	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
				Running Exhaust, Tire Wear, and Break Wear (grams/mile)								
Haul Trucks	HHDT	Diesel	Aggregate	0.061	3.332	0.308	0.002	0.132	0.069	1,418.844	0.003	0.223
Freight Trucks	HHDT	Diesel	Aggregate	0.061	3.332	0.308	0.002	0.132	0.069	1,418.844	0.003	0.223
Concentrate Trucks	HHDT	Diesel	Aggregate	0.061	3.332	0.308	0.002	0.132	0.069	1,418.844	0.003	0.223
Explosives Trucks	HHDT	Diesel	Aggregate	0.061	3.332	0.308	0.002	0.132	0.069	1,418.844	0.003	0.223
Fuel Trucks	MHDT	Diesel	Aggregate	0.119	3.100	0.368	0.010	0.188	0.103	1,104.465	0.006	0.174
Cement Trucks	MHDT	Diesel	Aggregate	0.119	3.100	0.368	0.010	0.188	0.103	1,104.465	0.006	0.174
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	Gas, Diesel (Aggregate)	Aggregate	0.062	0.586	1.548	0.004	0.058	0.027	422.477	0.009	0.022
Employees	LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (Aggregate)	Aggregate	0.023	0.106	0.000	0.003	0.047	0.020	301.933	0.005	0.008

Project Vehicle	Vehicle Classes	PM10 PM2.5	
		Paved Road - PM Only (grams/mile)	
Haul Trucks	HHDT	1.059	0.260
Freight Trucks	HHDT	0.300	0.074
Concentrate Trucks	HHDT	0.300	0.074
Explosives Trucks	HHDT	0.300	0.074
Fuel Trucks	MHDT	1.059	0.260
Cement Trucks	MHDT	0.300	0.074
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	1.059	0.260
Employees	LDA, LDT1 & LDT2 Composite	0.300	0.074

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap (grams/trip)								
Haul Trucks	HHDT	Diesel	0.000	2.270	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Freight Trucks	HHDT	Diesel	0.000	2.270	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Concentrate Trucks	HHDT	Diesel	0.000	2.270	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Explosives Trucks	HHDT	Diesel	0.000	2.270	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel Trucks	MHDT	Diesel	0.000	1.578	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cement Trucks	MHDT	Diesel	0.000	1.578	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	Gas, Diesel (Aggregate)	1.723	0.377	2.588	0.000	0.002	0.001	49.876	0.075	0.032
Employees	LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (Aggregate)	1.365	0.332	3.098	0.001	0.002	0.000	64.827	0.089	0.034

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Idling (grams/Idle-min/vehicle)								
Haul Trucks	HHDT	Diesel	0.062	0.802	0.866	0.000	0.000	0.000	154.166	0.003	0.024
Freight Trucks	HHDT	Diesel	0.062	0.802	0.866	0.000	0.000	0.000	154.166	0.003	0.024
Concentrate Trucks	HHDT	Diesel	0.062	0.802	0.866	0.000	0.000	0.000	154.166	0.003	0.024
Explosives Trucks	HHDT	Diesel	0.062	0.802	0.866	0.000	0.000	0.000	154.166	0.003	0.024
Fuel Trucks	MHDT	Diesel	0.023	1.805	0.437	0.002	0.004	0.004	186.403	0.001	0.029
Cement Trucks	MHDT	Diesel	0.023	1.805	0.437	0.002	0.004	0.004	186.403	0.001	0.029
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	Gas, Diesel (Aggregate)	0.024	0.157	0.199	0.000	0.002	0.002	14.629	0.005	0.002

Operation Mobile Source Emissions Factors - EMFAC2017 ROG

								STEX HOTSOAK RUNLOSS ROG RESTLOSS									
Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_RESTLOSS	ROG_DIURN	ROG_RESTLOSS - Calculated	ROG_DIURN - Calculated	DIURN_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)	(g/vehicle/day)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT	0.061453538 0.0615	6.790248031 6.7902	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	-	-	0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.119189759 0.1192	0.132560475 0.1326	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	-	-	0.0000
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.038420501	0	0.57320665	0.297246079	1.179465326	0.304932505	0.570871232			
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.195542896	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.004888026	0	0.003290504	0.014322345			
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.034824933	0	0.625335427	0.258618407	0.977886454	0.282007847	0.508333692			
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.024969151	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.004888026	0	0.003294658	0.014389976			
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.161437447	0.457872227	0.186536017	0.261273242	2.527399415	0.030304906	0.08291958			
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.233234379	0.109759705	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.061335599	0.456686596	0.157561898	0.156252384	1.147098882	0.018590698	0.047186299			
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.187300062	0.109759705	0	0	0	0	0			
LDT1, LDT2, LHDT1, & LHDT2 Composite								0.0620	0.0429	0.3982	0.2018	1.0131	0.2359	0.4308	0.039019	0.071257	1.7233
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.01351942	0	0.340518542	0.143835254	0.283570011	0.142351135	0.253361934			
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.023183727	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0	0.004888026	0	0.003310354	0.014423169			
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.038420501	0	0.57320665	0.297246079	1.179465326	0.304932505	0.570871232			
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.195542896	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.004888026	0	0.003290504	0.014322345			
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.034824933	0	0.625335427	0.258618407	0.977886454	0.282007847	0.508333692			
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.024969151	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.004888026	0	0.003294658	0.014389976			
LDA, LDT1, LDT2 Composite								0.0225	0.0000	0.4509	0.1937	0.5955	0.2034	0.3670	0.044634	0.080541	1.3653

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 NOx

Region	CalYr	VehClass	Fuel	Speed	Population	VTM	Trips	NOx_RUNEX (g/mile)	NOx_IDLEX (g/vehicle/day)	NOx_STREX (g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT	3.331733146 3.3317	87.69254151 87.6925	2.27038666 2.2704
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	3.099896593 3.0999	10.57994343 10.5799	1.578326118 1.5783
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.154657433	0	0.357290764
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	1.103724027	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.186146819	0	0.498126837
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.129778306	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.597389897	0.040175481	0.582943798
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	4.217738077	2.495458771	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.334903587	0.039868172	0.565512988
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	2.640230252	2.447491009	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.5856	0.2773	0.3765
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.054149203	0	0.239172649
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.151569446	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.154657433	0	0.357290764
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	1.103724027	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.186146819	0	0.498126837
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.129778306	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
							LDA, LDT1, LDT2 Composite	0.1060	0.0000	0.3325

Operation Mobile Source Emissions Factors - EMFAC2017 CO

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CO_RUNEX (g/mile)	CO_IDLEX (g/vehicle/day)	CO_STREX (g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT	0.30835635 0.3084	94.69541473 94.6954	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.367880438 0.3679	2.558658057 2.5587	0 0.0000
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	1.603428846	0	3.194037665
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	1.104904812	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	1.502814235	0	3.754888081
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.225375175	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	3.063106934	3.691048241	2.526020526
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	1.100655173	0.909745076	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	1.158736331	3.749368772	2.021138387
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.900138517	0.909745076	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	1.5482	0.3492	2.5880
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.773547174	0	2.803486655
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.331204271	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	1.603428846	0	3.194037665
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	1.104904812	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	1.502814235	0	3.754888081
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.225375175	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
							LDA, LDT1, LDT2 Composite	1.0676	0.0000	3.0982

Operation Mobile Source Emissions Factors - EMFAC2017 SO2

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	SO2_RUNEX (g/mile)	SO2_IDLEX (g/vehicle/day)	SO2_STREX (g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12	0.002036592	0	0
							HHDT	0.0020	0.0000	0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53	0.010434433	0.010319705	0
							MHDT	0.0104	0.0103	0.0000
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.003247803	0	0.000695928
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.003837599	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.00361364	0	0.000788713
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.002780688	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.01025436	0.00122264	0.000200054
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.005519034	0.001332811	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.011583948	0.001399297	0.000218633
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.006136088	0.002122385	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.0042	0.0002	0.0005
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.002670622	0	0.000567658
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.002036592	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.003247803	0	0.000695928
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.003837599	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.00361364	0	0.000788713
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.002780688	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
							LDA, LDT1, LDT2 Composite	0.0030	0.0000	0.0006

Operation Mobile Source Emissions Factors - EMFAC2017 PM10

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW	PM10_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/mile)	(g/mile)	(g/mile)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT	0.035313386 0.0353	0.052483433 0.0525	0 0.0000	0.035659411 0.0357	0.06115589 0.0612	0.132128
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.046086105 0.0461	0.026298805 0.0263	0 0.0000	0.012000003 0.0120	0.130340037 0.1303	0.188426
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.002443141	0	0.002971545	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.167289894	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.001907051	0	0.002360081	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.009303885	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.00370598	0	0.000707516	0.008000002	0.076440022	
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.044078381	0.028649169	0	0.012000003	0.076440022	
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.002348244	0	0.000417194	0.008000002	0.089180026	
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.033452518	0.027670296	0	0.012000003	0.089180026	
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.0063	0.0031	0.0016	0.0084	0.0436	0.058318
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.001686765	0	0.002147389	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.010873504	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.002443141	0	0.002971545	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.167289894	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.001907051	0	0.002360081	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.009303885	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.008000002	0.036750011	
							LDA, LDT1, LDT2 Composite	0.0019	0.0000	0.0022	0.0080	0.0368	0.046654

Operation Mobile Source Emissions Factors - EMFAC2017 PM2.5

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	PM2.5_RUNEX (g/mile)	PM2.5_IDLEX (g/vehicle/day)	PM2.5_STREX (g/trip)	PM2.5_PMTW (g/mile)	PM2.5_PMBW (g/mile)	PM2.5_Combined Calculated (g/mile)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT	0.033785745 0.0338	0.050213023 0.0502	0 0.0000	0.008914853 0.0089	0.026209667 0.0262	0.068911
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.044092441 0.0441	0.02516113 0.0252	0 0.0000	0.003000001 0.0030	0.055860016 0.0559	0.102952
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.002246693	0	0.002732871	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.160053007	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.001753563	0	0.002170224	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.008901403	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.003407512	0	0.000650535	0.002000001	0.032760009	
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.042171569	0.027409818	0	0.003000001	0.032760009	
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.002159123	0	0.000383595	0.002000001	0.038220011	
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.032005377	0.026473291	0	0.003000001	0.038220011	
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.0059	0.0030	0.0015	0.0021	0.0187	0.026735
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.001550941	0	0.001974574	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.010403121	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.002246693	0	0.002732871	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.160053007	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.001753563	0	0.002170224	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.008901403	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.002000001	0.015750005	
							LDA, LDT1, LDT2 Composite	0.0018	0.0000	0.0021	0.0020	0.0158	0.019505

Operation Mobile Source Emissions Factors - EMFAC2017 CO2

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX
								(g/mile)	(g/vehicle/day)	(g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12	1418.843707	16865.77038	0
HHDT								1418.8437	16865.7704	0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53	1104.464534	1092.320787	0
MHDT								1104.4645	1092.3208	0.0000
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	328.1998322	0	70.32549898
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	405.9406363	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	365.1686728	0	79.70172039
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	294.1408014	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	1036.232459	123.5512732	20.21601117
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	583.8025626	140.9845162	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	1170.591143	141.4030114	22.09349863
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	649.0744556	224.5055938	0
LDT1, LDT2, LHDT1, & LHDT2 Composite								422.4767	25.8539	49.8757
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	269.8739551	0	57.363505
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	215.4304511	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	328.1998322	0	70.32549898
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	405.9406363	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	365.1686728	0	79.70172039
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	294.1408014	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
LDA, LDT1, LDT2 Composite								301.9326	0.0000	64.8270

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 N2O

Region	CalYr	VehClass	Fuel	Speed	Population	VTM	Trips	N2O_RUNEX (g/mile)	N2O_IDLEX (g/vehicle/day)	N2O_STREX (g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT	0.223022472 0.2230	2.651064235 2.6511	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.173606444 0.1736	0.171697616 0.1717	0 0.0000
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.01080502	0	0.03477133
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.063808215	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.01210525	0	0.043413141
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.046234838	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.03049803	0.002796811	0.04047375
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.091765633	0.022160803	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.01997851	0.00303929	0.041992117
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.102025466	0.035289153	0
LDT1, LDT2, LHDT1, & LHDT2 Composite								0.0215	0.0029	0.0316
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.005522065	0	0.029540927
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.033862667	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.01080502	0	0.03477133
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.063808215	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.01210525	0	0.043413141
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.046234838	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
LDA, LDT1, LDT2 Composite								0.0084	0.0000	0.0341

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Operation Mobile Source Emissions Factors - EMFAC2017 CH4

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CH4_RUNEX (g/mile)	CH4_IDLEX (g/vehicle/day)	CH4_STREX (g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT	0.002854358 0.0029	0.315389434 0.3154	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.005536056 0.0055	0.006157091 0.0062	0 0.0000
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.00834562	0	0.107162584
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.009082594	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.00771636	0	0.118737186
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.001159769	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.030702644	0.116936408	0.03453008
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.010833291	0.005098128	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.012653058	0.123729312	0.030674902
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.00869973	0.005098128	0
LDT1, LDT2, LHDT1, & LHDT2 Composite								0.0093	0.0085	0.0753
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.003291837	0	0.070737876
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.00107684	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.00834562	0	0.107162584
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.009082594	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.00771636	0	0.118737186
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.001159769	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
LDA, LDT1, LDT2 Composite								0.0051	0.0000	0.0888

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Paved Road Fugitive Emissions - Operation Mobile Sources

Equation:

$$E = k \times (sL/2)^{0.91} \times (W)1.02 \text{ [maximum day]}$$

Where:

		Units
k	particle size multiplier (PM ₁₀)	0.00220 lb/VMT
k	particle size multiplier (PM _{2.5})	0.00054 lb/VMT
sL	silt loading (high ADT roads)	0.1 g/m ²
sL	silt loading (low ADT roads)	0.4 g/m ²
W	average weight (tons) of the vehicle traveling the road	2.4 tons

Notes/References:

k = Emission factors from CalEEMod2020.4.0 per AP-42, Section 13.2.1 (Paved Roads).

sL = silt loading per AP-42, Section 13.2.1 (Paved Roads).

W = Average vehicle weight from CalEEMod2020.4.0, consistent with the statewide average vehicle weight used in CARB's Entrained Road Travel, Paved Road Dust, 2016 Update.

For daily emissions it is assumed to have no precipitation.

Per AP-42, Section 13.2.1 (Paved Roads): The above equation calls for the average weight of all vehicles traveling the road. For example, if 99 percent of traffic on the road are 2 ton cars/trucks while the remaining 1 percent consists of 20 ton trucks, then the mean weight "W" is 2.2 tons. More specifically, the above equation is not intended to be used to calculate a separate emission factor for each vehicle weight class. Instead, only one emission factor should be calculated to represent the "fleet" average weight of all vehicles traveling the road.

Emission Factors	PM10 Paved Road (lb/VMT)	PM2.5 Paved Road (lb/VMT)	PM10 Paved Road (g/VMT)	PM2.5 Paved Road (g/VMT)
All Vehicles - High ADT Roads	0.0007	0.0002	0.2998	0.0736
All Vehicles - Low ADT Roads	0.0023	0.0006	1.0587	0.2599

On-Road Vehicles - 2022
OnSite

2022 Operation Mobile Source Assumptions Summary

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.52	200	104	36,500	18,980
Onsite-Only Soil Haul Trucks	HHDT	0.10	24	2.28	8,760	832
Freight Trucks	HHDT	0.26	6	2	312	81
Concentrate Trucks	HHDT	0.26	10	3	728	189
Explosives Trucks	HHDT	0.26	2	1	104	27
Fuel Trucks	MHDT	0.26	6	2	108	28
Cement Trucks	MHDT	0.26	4	1	936	243
Onsite-Only Water Trucks	MHDT	0.44	8	3.52	2,920	1,285
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	0.26	8	2	2,184	568
Onsite-Only Light-Duty Trucks	LHDT2	0.19	24	5	8,760	1,664
Employees	LDA, LDT1 & LDT2 Composite	0.12	356	43	120,788	14,495

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.52	200	104	36,500	18,980
Onsite-Only Soil Haul Trucks	HHDT	0	0	0	0	0
Freight Trucks	HHDT	0.26	6	2	312	81
Concentrate Trucks	HHDT	0.26	10	3	728	189
Explosives Trucks	HHDT	0.26	2	1	104	27
Fuel Trucks	MHDT	0.26	6	2	108	28
Cement Trucks	MHDT	0.26	4	1	936	243
Onsite-Only Water Trucks	MHDT	0	0	0	0	0
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	0.26	8	2	2,184	568
Onsite-Only Light-Duty Trucks	LHDT2	0	0	0	0	0
Employees	LDA, LDT1 & LDT2 Composite	0.12	356	43	120,788	14,495
Onsite-Only Forklifts				60		21,900
Onsite-Only Wheel Loader		0.05	150	8		2,738

Project Vehicle	EMFAC Class	Max Daily Trips (trips/day)	Annual Trips (trips/year)
Haul Trucks	HHDT	100	18,250
Onsite-Only Soil Haul Trucks	HHDT	24	8,760
Freight Trucks	HHDT	3	156
Concentrate Trucks	HHDT	5	364
Explosives Trucks	HHDT	1	52
Fuel Trucks	MHDT	3	54
Cement Trucks	MHDT	2	468
Onsite-Only Water Trucks	MHDT	8	2,920
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	4	1,092
Onsite-Only Light-Duty Trucks	LHDT2	24	8,760
Employees	LDA, LDT1 & LDT2 Composite	178	60,394

2022 Operation Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.01	0.76	0.07	0.00	0.03	0.02	325.31	0.00	0.05	340.57
0.00	0.02	0.00	0.00	0.00	0.00	7.13	0.00	0.00	7.47
0.00	0.01	0.00	0.00	0.00	0.00	4.88	0.00	0.00	5.11
0.00	0.02	0.00	0.00	0.00	0.00	8.13	0.00	0.00	8.51
0.00	0.00	0.00	0.00	0.00	0.00	1.63	0.00	0.00	1.70
0.00	0.01	0.00	0.00	0.00	0.00	3.80	0.00	0.00	3.98
0.00	0.01	0.00	0.00	0.00	0.00	2.53	0.00	0.00	2.65
0.01	0.07	0.01	0.00	0.00	0.00	18.71	0.00	0.00	19.59
0.00	0.00	0.01	0.00	0.00	0.00	1.94	0.00	0.00	1.97
0.00	0.03	0.01	0.00	0.00	0.00	6.53	0.00	0.00	6.83
0.00	0.01	0.00	0.00	0.00	0.00	28.44	0.00	0.00	28.68
0.03	0.94	0.11	0.00	0.04	0.02	409.02	0.00	0.06	427.06

PM10	PM2.5
Paved Road - PM only	
1.21	0.30
0.00	0.00
0.02	0.00
0.03	0.01
0.01	0.00
0.02	0.00
0.01	0.00
0.00	0.00
0.02	0.01
0.00	0.00
0.50	0.12
0.70	0.17
0.09	0.02
1.81	0.45

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.02	0.00	0.02	0.00	0.00	0.00	0.44	0.00	0.00	0.54
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.54	0.13	1.22	0.00	0.00	0.00	25.44	0.03	0.01	30.29
0.55	0.84	1.24	0.00	0.00	0.00	25.88	0.04	0.01	30.83

Project Vehicle	EMFAC Class	Idling	Idling										
		Minutes per Day (min/day)	Minutes per Year (min/year)	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Haul Trucks	HHDT	500	91,250	0.07	0.88	0.95	0.00	0.00	0.00	169.94	0.00	0.03	177.98
Onsite-Only Soil Haul Trucks	HHDT	120	43,800	0.02	0.21	0.23	0.00	0.00	0.00	40.79	0.00	0.01	42.71
Freight Trucks	HHDT	15	780	0.00	0.03	0.03	0.00	0.00	0.00	5.10	0.00	0.00	5.34
Concentrate Trucks	HHDT	25	1,820	0.00	0.04	0.05	0.00	0.00	0.00	8.50	0.00	0.00	8.90
Explosives Trucks	HHDT	5	260	0.00	0.01	0.01	0.00	0.00	0.00	1.70	0.00	0.00	1.78
Fuel Trucks	MHDT	15	270	0.00	0.06	0.01	0.00	0.00	0.00	6.16	0.00	0.00	6.45
Cement Trucks	MHDT	10	2,340	0.00	0.04	0.01	0.00	0.00	0.00	4.11	0.00	0.00	4.30
Onsite-Only Water Trucks	MHDT	40	14,600	0.00	0.16	0.04	0.00	0.00	0.00	16.44	0.00	0.00	17.21
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	20	5,460	0.00	0.01	0.01	0.00	0.00	0.00	0.65	0.00	0.00	0.67
Onsite-Only Light-Duty Trucks	LHDT2	120	43,800	0.02	0.35	0.13	0.00	0.00	0.00	31.76	0.00	0.00	33.27
Subtotal				0.11	1.79	1.47	0.00	0.01	0.01	285.14	0.01	0.04	298.62
TOTAL				0.69	3.57	2.81	0.00	1.86	0.47	720.04	0.04	0.12	756.51

2022 Operation Mobile Source Assumptions Summary

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.52	200	104	36,500	18,980
Onsite-Only Soil Haul Trucks	HHDT	0.10	24	2.28	8,760	832
Freight Trucks	HHDT	0.26	6	2	312	81
Concentrate Trucks	HHDT	0.26	10	3	728	189
Explosives Trucks	HHDT	0.26	2	1	104	27
Fuel Trucks	MHDT	0.26	6	2	108	28
Cement Trucks	MHDT	0.26	4	1	936	243
Onsite-Only Water Trucks	MHDT	0.44	8	3.52	2,920	1,285
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	0.26	8	2	2,184	568
Onsite-Only Light-Duty Trucks	LHDT2	0.19	24	5	8,760	1,664
Employees	LDA, LDT1 & LDT2 Composite	0.12	356	43	120,788	14,495

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.52	200	104	36,500	18,980
Onsite-Only Soil Haul Trucks	HHDT	0	0	0	0	0
Freight Trucks	HHDT	0.26	6	2	312	81
Concentrate Trucks	HHDT	0.26	10	3	728	189
Explosives Trucks	HHDT	0.26	2	1	104	27
Fuel Trucks	MHDT	0.26	6	2	108	28
Cement Trucks	MHDT	0.26	4	1	936	243
Onsite-Only Water Trucks	MHDT	0	0	0	0	0
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	0.26	8	2	2,184	568
Onsite-Only Light-Duty Trucks	LHDT2	0	0	0	0	0
Employees	LDA, LDT1 & LDT2 Composite	0.12	356	43	120,788	14,495
Onsite-Only Forklifts				60		21,900
Onsite-Only Wheel Loader		0.05	150	8		2,738

Project Vehicle	EMFAC Class	Max Daily Trips (trips/day)	Annual Trips (trips/year)
Haul Trucks	HHDT	100	18,250
Onsite-Only Soil Haul Trucks	HHDT	24	8,760
Freight Trucks	HHDT	3	156
Concentrate Trucks	HHDT	5	364
Explosives Trucks	HHDT	1	52
Fuel Trucks	MHDT	3	54
Cement Trucks	MHDT	2	468
Onsite-Only Water Trucks	MHDT	8	2,920
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	4	1,092
Onsite-Only Light-Duty Trucks	LHDT2	24	8,760
Employees	LDA, LDT1 & LDT2 Composite	178	60,394

2022 Operation Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual										
(Tons/Year)						(Metric Tons/Year)				
ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
Running Exhaust, Tire Wear, and Break Wear										
0.00	0.07	0.01	0.00	0.00	0.00	0.00	26.93	0.00	0.00	28.19
0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.18	0.00	0.00	1.24
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.12
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.28
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.28
0.00	0.01	0.00	0.00	0.00	0.00	0.00	3.10	0.00	0.00	3.24
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.24
0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.00	0.00	1.13
0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.38	0.00	0.00	4.41
0.00	0.09	0.01	0.00	0.00	0.00	0.00	37.63	0.00	0.01	39.22

PM10	PM2.5
Paved Road - PM only	
0.11	0.03
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.08	0.02
0.13	0.03
0.02	0.00
0.34	0.08

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.07
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.09	0.02	0.21	0.00	0.00	0.00	3.92	0.01	0.00	4.66
0.09	0.10	0.21	0.00	0.00	0.00	3.97	0.01	0.00	4.73

Project Vehicle	EMFAC Class	Idling	Idling										
		Minutes per Day (min/day)	Minutes per Year (min/year)	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Haul Trucks	HHDT	500	91,250	0.01	0.08	0.09	0.00	0.00	0.00	14.07	0.00	0.00	14.73
Onsite-Only Soil Haul Trucks	HHDT	120	43,800	0.00	0.04	0.04	0.00	0.00	0.00	6.75	0.00	0.00	7.07
Freight Trucks	HHDT	15	780	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.13
Concentrate Trucks	HHDT	25	1,820	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.29
Explosives Trucks	HHDT	5	260	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04
Fuel Trucks	MHDT	15	270	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05
Cement Trucks	MHDT	10	2,340	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.46
Onsite-Only Water Trucks	MHDT	40	14,600	0.00	0.03	0.01	0.00	0.00	0.00	2.72	0.00	0.00	2.85
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	20	5,460	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.08
Onsite-Only Light-Duty Trucks	LHDT2	120	43,800	0.00	0.06	0.02	0.00	0.00	0.00	5.26	0.00	0.00	5.51
Subtotal				0.01	0.22	0.16	0.00	0.00	0.00	29.81	0.00	0.00	31.22
TOTAL				0.11	0.41	0.39	0.00	0.35	0.09	71.40	0.01	0.01	75.16

Pound/year Pound/hour

Asbestos 0.06888868 7.864E-06

Silica 413.332077 0.047184027

Note: Assumes 0.01% asbestos and 60% silica content in fugitive dust.

2022 Operation Mobile Source Emissions Factors - EMFAC2017

Emission Factors: Summary

Project Vehicle	Vehicle Classes	Fuel	Speed	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
				Running Exhaust, Tire Wear, and Break Wear (grams/mile)								
Haul Trucks	HHDT	Diesel	Aggregate	0.061	3.332	0.308	0.002	0.132	0.069	1,418.844	0.003	0.223
Onsite-Only Soil Haul Trucks	HHDT	Diesel	Aggregate	0.061	3.332	0.308	0.002	0.132	0.069	1,418.844	0.003	0.223
Freight Trucks	HHDT	Diesel	Aggregate	0.061	3.332	0.308	0.002	0.132	0.069	1,418.844	0.003	0.223
Concentrate Trucks	HHDT	Diesel	Aggregate	0.061	3.332	0.308	0.002	0.132	0.069	1,418.844	0.003	0.223
Explosives Trucks	HHDT	Diesel	Aggregate	0.061	3.332	0.308	0.002	0.132	0.069	1,418.844	0.003	0.223
Fuel Trucks	MHDT	Diesel	Aggregate	0.119	3.100	0.368	0.010	0.188	0.103	1,104.465	0.006	0.174
Cement Trucks	MHDT	Diesel	Aggregate	0.119	3.100	0.368	0.010	0.188	0.103	1,104.465	0.006	0.174
Onsite-Only Water Trucks	MHDT	Diesel	5 mph	0.685	8.631	1.651	0.023	0.217	0.130	2,410.834	0.032	0.379
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	Gas, Diesel (Aggregate)	Aggregate	0.062	0.586	1.548	0.004	0.058	0.027	422.477	0.009	0.022
Onsite-Only Light-Duty Trucks	LHDT2	Diesel	Aggregate	0.187	2.640	0.900	0.006	0.135	0.073	649.074	0.009	0.102
Employees	LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (Aggregate)	Aggregate	0.023	0.106	0.000	0.003	0.047	0.020	301.933	0.005	0.008

Project Vehicle	Vehicle Classes	PM10	PM2.5
		Paved Road - PM Only (grams/mile)	
Haul Trucks	HHDT	5.274	1.295
Onsite-Only Soil Haul Trucks	HHDT	5.274	1.295
Freight Trucks	HHDT	5.274	1.295
Concentrate Trucks	HHDT	5.274	1.295
Explosives Trucks	HHDT	5.274	1.295
Fuel Trucks	MHDT	5.274	1.295
Cement Trucks	MHDT	5.274	1.295
Onsite-Only Water Trucks	MHDT	5.274	1.295
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	5.274	1.295
Onsite-Only Light-Duty Trucks	LHDT2	5.274	1.295
Employees	LDA, LDT1 & LDT2 Composite	5.274	1.295
Onsite-Only Forklifts	N/A (Offroad)	5.274	1.295
Onsite-Only Wheel Loader	N/A (Offroad)	5.274	1.295

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap (grams/trip)								
Haul Trucks	HHDT	Diesel	0.000	2.270	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Onsite-Only Soil Haul Trucks	HHDT	Diesel	0.000	2.270	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Freight Trucks	HHDT	Diesel	0.000	2.270	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Concentrate Trucks	HHDT	Diesel	0.000	2.270	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Explosives Trucks	HHDT	Diesel	0.000	2.270	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel Trucks	MHDT	Diesel	0.000	1.578	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cement Trucks	MHDT	Diesel	0.000	1.578	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Onsite-Only Water Trucks	MHDT	Diesel	0.000	1.578	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	Gas, Diesel (Aggregate)	1.723	0.377	2.588	0.000	0.002	0.001	49.876	0.075	0.032
Onsite-Only Light-Duty Trucks	LHDT2	Diesel	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Employees	LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (Aggregate)	1.365	0.332	3.098	0.001	0.002	0.000	64.827	0.089	0.034

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Idling (grams/Idle-min/vehicle)								
Haul Trucks	HHDT	Diesel	0.062	0.802	0.866	0.000	0.000	0.000	154.166	0.003	0.024
Onsite-Only Soil Haul Trucks	HHDT	Diesel	0.062	0.802	0.866	0.000	0.000	0.000	154.166	0.003	0.024
Freight Trucks	HHDT	Diesel	0.062	0.802	0.866	0.000	0.000	0.000	154.166	0.003	0.024
Concentrate Trucks	HHDT	Diesel	0.062	0.802	0.866	0.000	0.000	0.000	154.166	0.003	0.024
Explosives Trucks	HHDT	Diesel	0.062	0.802	0.866	0.000	0.000	0.000	154.166	0.003	0.024
Fuel Trucks	MHDT	Diesel	0.023	1.805	0.437	0.002	0.004	0.004	186.403	0.001	0.029
Cement Trucks	MHDT	Diesel	0.023	1.805	0.437	0.002	0.004	0.004	186.403	0.001	0.029
Onsite-Only Water Trucks	MHDT	Diesel	0.023	1.805	0.437	0.002	0.004	0.004	186.403	0.001	0.029
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	Gas, Diesel (Aggregate)	0.024	0.157	0.199	0.000	0.002	0.002	14.629	0.005	0.002
Onsite-Only Light-Duty Trucks	LHDT2	Diesel	0.059	1.309	0.486	0.001	0.015	0.014	120.056	0.003	0.019

Operation Mobile Source Emissions Factors - EMFAC2017 ROG

								STEX HOTSOAK RUNLOSS ROG RESTLOSS									
Region	CalYr	VehClass	Fuel	Speed	Population	VTM	Trips	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_RESTLOSS	ROG_DIURN	ROG_RESTLOSS - Calculated	ROG_DIURN - Calculated	DIURN_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)	(g/vehicle/day)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12	0.061453538	6.790248031	0	0	0	0	0			
HHDT (aggregate)								0.0615	6.7902	0.0000	0.0000	0.0000	0.0000	0.0000	-	-	0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53	0.119189759	0.132560475	0	0	0	0	0			
MHDT (aggregate)								0.1192	0.1326	0.0000	0.0000	0.0000	0.0000	0.0000	-	-	0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29		0.684701734									
MHDT (5 mph)								0.6847									
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.038420501	0	0.57320665	0.297246079	1.179465326	0.304932505	0.570871232			
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.195542896	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.004888026	0	0.003290504	0.014322345			
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.034824933	0	0.625335427	0.258618407	0.977886454	0.282007847	0.508333692			
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.024969151	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.004888026	0	0.003294658	0.014389976			
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.161437447	0.457872227	0.186536017	0.261273242	2.527399415	0.030304906	0.08291958			
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.233234379	0.109759705	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.061335599	0.456686596	0.157561898	0.156252384	1.147098882	0.018590698	0.047186299			
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.187300062	0.109759705	0	0	0	0	0			
LDT1, LDT2, LHDT1, & LHDT2 Composite (aggregate)								0.0620	0.0429	0.3982	0.2018	1.0131	0.2359	0.4308	0.039019	0.071257	1.7233
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.187300062	0.109759705	0	0	0	0	0			
LHDT2								0.1873	0.1098	0.0000	0.0000	0.0000	0.0000	0.0000	-	-	0.0000
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.01351942	0	0.340518542	0.143835254	0.283570011	0.142351135	0.253361934			
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.023183727	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0	0.004888026	0	0.003310354	0.014423169			
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.038420501	0	0.57320665	0.297246079	1.179465326	0.304932505	0.570871232			
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.195542896	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.004888026	0	0.003290504	0.014322345			
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.034824933	0	0.625335427	0.258618407	0.977886454	0.282007847	0.508333692			
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.024969151	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.004888026	0	0.003294658	0.014389976			
LDA, LDT1, LDT2 Composite (aggregate)								0.0225	0.0000	0.4509	0.1937	0.5955	0.2034	0.3670	0.044634	0.080541	1.3653

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Operation Mobile Source Emissions Factors - EMFAC2017 NOx

Region	CalYr	VehClass	Fuel	Speed	Population	VTM	Trips	NOx_RUNEX (g/mile)	NOx_IDLEX (g/vehicle/day)	NOx_STREX (g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (aggregate)	3.331733146 3.3317	87.69254151 87.6925	2.27038666 2.2704
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	3.099896593 3.0999	10.57994343 10.5799	1.578326118 1.5783
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	8.631284275 8.6313		
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.154657433	0	0.357290764
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	1.103724027	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.186146819	0	0.498126837
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.129778306	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.597389897	0.040175481	0.582943798
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	4.217738077	2.495458771	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.334903587	0.039868172	0.565512988
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	2.640230252	2.447491009	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.5856	0.2773	0.3765
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82 LHDT2	2.640230252 2.6402	2.447491009 2.4475	0 0.0000
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.054149203	0	0.239172649
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.151569446	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.154657433	0	0.357290764
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	1.103724027	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.186146819	0	0.498126837
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.129778306	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
							LDA, LDT1, LDT2 Composite	0.1060	0.0000	0.3325

Operation Mobile Source Emissions Factors - EMFAC2017 CO

Region	CalYr	VehClass	Fuel	Speed	Population	VTM	Trips	CO_RUNEX (g/mile)	CO_IDLEX (g/vehicle/day)	CO_STREX (g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (Agg)	0.30835635 0.3084	94.69541473 94.6954	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.367880438 0.3679	2.558658057 2.5587	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	1.650945968 1.6509		
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	1.603428846	0	3.194037665
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	1.104904812	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	1.502814235	0	3.754888081
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.225375175	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	3.063106934	3.691048241	2.526020526
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	1.100655173	0.909745076	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	1.158736331	3.749368772	2.021138387
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.900138517	0.909745076	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	1.5482	0.3492	2.5880
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82 LHDT2	0.900138517 0.9001	0.909745076 0.9097	0 0.0000
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.773547174	0	2.803486655
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.331204271	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	1.603428846	0	3.194037665
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	1.104904812	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	1.502814235	0	3.754888081
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.225375175	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
							LDA, LDT1, LDT2 Composite	1.0676	0.0000	3.0982

Operation Mobile Source Emissions Factors - EMFAC2017 SO2

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	SO2_RUNEX (g/mile)	SO2_IDLEX (g/vehicle/day)	SO2_STREX (g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (Agg)	0.002036592 0.0020	0 0.0000	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.010434433 0.0104	0.010319705 0.0103	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	0.022776362 0.0228		
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.003247803	0	0.000695928
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.003837599	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.00361364	0	0.000788713
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.002780688	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.01025436	0.00122264	0.000200054
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.005519034	0.001332811	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.011583948	0.001399297	0.000218633
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.006136088	0.002122385	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.0042	0.0002	0.0005
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82 LHDT2	0.006136088 0.0061	0.002122385 0.0021	0 0.0000
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.002670622	0	0.000567658
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.002036592	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.003247803	0	0.000695928
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.003837599	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.00361364	0	0.000788713
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.002780688	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
							LDA, LDT1, LDT2 Composite	0.0030	0.0000	0.0006

Operation Mobile Source Emissions Factors - EMFAC2017 PM10

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW	PM10_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/mile)	(g/mile)	(g/mile)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (Agg)	0.035313386 0.0353	0.052483433 0.0525	0 0.0000	0.035659411 0.0357	0.06115589 0.0612	0.132128
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.046086105 0.0461	0.026298805 0.0263	0 0.0000	0.012000003 0.0120	0.130340037 0.1303	0.188426
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	0.074577328 0.0746	0.0263	0.0000	0.0120	0.1303	0.216917
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.002443141	0	0.002971545	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.167289894	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.001907051	0	0.002360081	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.009303885	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.00370598	0	0.000707516	0.008000002	0.076440022	
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.044078381	0.028649169	0	0.012000003	0.076440022	
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.002348244	0	0.000417194	0.008000002	0.089180026	
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.033452518	0.027670296	0	0.012000003	0.089180026	
				LDT1, LDT2, LHDT1, & LHDT2 Composite				0.0063	0.0031	0.0016	0.0084	0.0436	0.058318
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82 LHDT2	0.033452518 0.0335	0.027670296 0.0277	0 0.0000	0.012000003 0.0120	0.089180026 0.0892	0.134633
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.001686765	0	0.002147389	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.010873504	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.002443141	0	0.002971545	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.167289894	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.001907051	0	0.002360081	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.009303885	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.008000002	0.036750011	
				LDA, LDT1, LDT2 Composite				0.0019	0.0000	0.0022	0.0080	0.0368	0.046654

Operation Mobile Source Emissions Factors - EMFAC2017 PM2.5

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	PM2.5_RUNEX	PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW	PM2.5_Combined Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/mile)	(g/mile)	(g/mile)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (Agg)	0.033785745 0.0338	0.050213023 0.0502	0 0.0000	0.008914853 0.0089	0.026209667 0.0262	0.068911
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.044092441 0.0441	0.02516113 0.0252	0 0.0000	0.003000001 0.0030	0.055860016 0.0559	0.102952
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	0.071351145 0.0714	0.0252	0.0000	0.0030	0.0559	0.130211
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.002246693	0	0.002732871	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.160053007	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.001753563	0	0.002170224	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.008901403	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.003407512	0	0.000650535	0.002000001	0.032760009	
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.042171569	0.027409818	0	0.003000001	0.032760009	
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.002159123	0	0.000383595	0.002000001	0.038220011	
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.032005377	0.026473291	0	0.003000001	0.038220011	
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.0059	0.0030	0.0015	0.0021	0.0187	0.026735
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82 LHDT2	0.032005377 0.0320	0.026473291 0.0265	0 0.0000	0.003000001 0.0030	0.038220011 0.0382	0.073225
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.001550941	0	0.001974574	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.010403121	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.002246693	0	0.002732871	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.160053007	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.001753563	0	0.002170224	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.008901403	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.002000001	0.015750005	
							LDA, LDT1, LDT2 Composite	0.0018	0.0000	0.0021	0.0020	0.0158	0.019505

Operation Mobile Source Emissions Factors - EMFAC2017 CO2

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX
								(g/mile)	(g/vehicle/day)	(g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12	1418.843707	16865.77038	0
HHDT (Agg)								1418.8437	16865.7704	0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53	1104.464534	1092.320787	0
MHDT								1104.4645	1092.3208	0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29		2410.833766		
MHDT (5 mph)								2410.8338		
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	328.1998322	0	70.32549898
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	405.9406363	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	365.1686728	0	79.70172039
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	294.1408014	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	1036.232459	123.5512732	20.21601117
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	583.8025626	140.9845162	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	1170.591143	141.4030114	22.09349863
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	649.0744556	224.5055938	0
LDT1, LDT2, LHDT1, & LHDT2 Composite								422.4767	25.8539	49.8757
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	649.0744556	224.5055938	0
LHDT2								649.0745	224.5056	0.0000
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	269.8739551	0	57.363505
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	215.4304511	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	328.1998322	0	70.32549898
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	405.9406363	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	365.1686728	0	79.70172039
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	294.1408014	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
LDA, LDT1, LDT2 Composite								301.9326	0.0000	64.8270

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Operation Mobile Source Emissions Factors - EMFAC2017 CH4

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CH4_RUNEX (g/mile)	CH4_IDLEX (g/vehicle/day)	CH4_STREX (g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (Agg)	0.002854358 0.0029	0.315389434 0.3154	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.005536056 0.0055	0.006157091 0.0062	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	0.031802622 0.0318		
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.00834562	0	0.107162584
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.009082594	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.00771636	0	0.118737186
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.001159769	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.030702644	0.116936408	0.03453008
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.010833291	0.005098128	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.012653058	0.123729312	0.030674902
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.00869973	0.005098128	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.0093	0.0085	0.0753
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82 LHDT2	0.00869973 0.0087	0.005098128 0.0051	0 0.0000
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.003291837	0	0.070737876
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.00107684	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.00834562	0	0.107162584
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.009082594	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.00771636	0	0.118737186
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.001159769	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
							LDA, LDT1, LDT2 Composite	0.0051	0.0000	0.0888

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Operation Mobile Source Emissions Factors - EMFAC2017 N2O

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	N2O_RUNEX (g/mile)	N2O_IDLEX (g/vehicle/day)	N2O_STREX (g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (Agg)	0.223022472 0.2230	2.651064235 2.6511	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.173606444 0.1736	0.171697616 0.1717	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	0.378949495 0.3789		
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.01080502	0	0.03477133
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.063808215	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.01210525	0	0.043413141
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.046234838	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.03049803	0.002796811	0.04047375
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.091765633	0.022160803	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.01997851	0.00303929	0.041992117
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.102025466	0.035289153	0
				LDT1, LDT2, LHDT1, & LHDT2 Composite				0.0215	0.0029	0.0316
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82 LHDT2	0.102025466 0.1020	0.035289153 0.0353	0 0.0000
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.005522065	0	0.029540927
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.033862667	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.01080502	0	0.03477133
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.063808215	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.01210525	0	0.043413141
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.046234838	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
				LDA, LDT1, LDT2 Composite				0.0084	0.0000	0.0341

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Paved Road Fugitive Emissions - Operation Mobile Sources

Equation:

$$E = k \times (sL/2)^{0.91} \times (W)1.02 \text{ [maximum day]}$$

Where:

		Units
k	particle size multiplier (PM ₁₀)	0.00220 lb/VMT
k	particle size multiplier (PM _{2.5})	0.00054 lb/VMT
sL	silt loading	0.6 g/m ²
W	average weight (tons) of the vehicle traveling the road	8.1 tons

Notes/References:

k = Emission factors from CalEEMod2020.4.0 per AP-42, Section 13.2.1 (Paved Roads).

sL = silt loading per AP-42, Section 13.2.1 (Paved Roads).

W = Average vehicle weight calculated for the project site per AP-42, Section 13.2.1 (Paved Roads) equation.

For daily emissions it is assumed to have no precipitation.

Per AP-42, Section 13.2.1 (Paved Roads): The above equation calls for the average weight of all vehicles traveling the road. For example, if 99 percent of traffic on the road are 2 ton cars/trucks while the remaining 1 percent consists of 20 ton trucks, then the mean weight "W" is 2.2 tons. More specifically, the above equation is not intended to be used to calculate a separate emission factor for each vehicle weight class. Instead, only one emission factor should be calculated to represent the "fleet" average weight of all vehicles traveling the road.

Vehicle	Average Daily Trips	Total Distance (miles)	Total Vehicle Miles Traveled	Weight (tons)
Haul Trucks	50	0.59	30	20.8
Freight Trucks	0.43	0.52	0	27.5
Concentrate Trucks	1.0	0.52	1	27.5
Explosives Trucks	0.14	0.52	0	27.5
Fuel Trucks	0.15	0.52	0	27.5
Cement Trucks	1.28	0.52	1	27.5
Outside Services (light vehicles)	3.0	0.52	2	12.5
Light Trucks	80	0.52	41	3.45
Employee Vehicles	325	0.12	38	2.25
Forklifts			60	5
Wheel Loader	150	0.05	7	33
Weighted Average			179	8.1

Emission Factors	PM10 Paved Road (lb/VMT)	PM2.5 Paved Road (lb/VMT)	PM10 Paved Road (g/VMT)	PM2.5 Paved Road (g/VMT)
All Vehicles	0.0116	0.0029	5.2739	1.2945

On-Road Vehicles - 2027
OffSite

2027 Operation Mobile Source Assumptions Summary

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Freight Trucks	HHDT	60	6	360	312	18,720
Concentrate Trucks	HHDT	145	10	1,450	728	105,560
Explosives Trucks	HHDT	60	2	120	104	6,240
Fuel Trucks	MHDT	3.5	6	21	108	378
Cement Delivery	MHDT	60	4	240	936	56,160
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	5	8	40	2,184	10,920
Employees	LDA, LDT1 & LDT2 Composite	14.7	356	5,233	120,788	1,775,584

Subtotal

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Freight Trucks	HHDT	60	6	360	312	18,720
Concentrate Trucks	HHDT	145	10	1,450	728	105,560
Explosives Trucks	HHDT	60	2	120	104	6,240
Fuel Trucks	MHDT	3.5	6	21	108	378
Cement Delivery	MHDT	60	4	240	936	56,160
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	5	8	40	2,184	10,920
Employees	LDA, LDT1 & LDT2 Composite	14.7	356	5,233	120,788	1,775,584

Subtotal

Project Vehicle	EMFAC Class	Max. Daily Trips (trips/day)	Annual Trips (trips/year)
Freight Trucks	HHDT	3	156
Concentrate Trucks	HHDT	5	364
Explosives Trucks	HHDT	1	52
Fuel Trucks	MHDT	3	54
Cement Delivery	MHDT	2	468
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	4	1,092
Employees	LDA, LDT1 & LDT2 Composite	178	60,394

Subtotal

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Freight Trucks	HHDT	15	780
Concentrate Trucks	HHDT	25	1,820
Explosives Trucks	HHDT	5	260
Fuel Trucks	MHDT	15	270
Cement Delivery	MHDT	10	2,340
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	20	5,460

Subtotal

2027 Operation Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.02	2.03	0.18	0.01	0.10	0.05	986.62	0.00	0.16	1,032.86
0.08	8.19	0.73	0.04	0.39	0.19	3,973.89	0.00	0.62	4,160.13
0.01	0.68	0.06	0.00	0.03	0.02	328.87	0.00	0.05	344.29
0.00	0.10	0.01	0.00	0.01	0.00	46.45	0.00	0.01	48.63
0.01	1.16	0.08	0.01	0.08	0.04	530.90	0.00	0.08	555.78
0.00	0.03	0.09	0.00	0.00	0.00	32.40	0.00	0.00	32.81
0.13	0.65	0.00	0.03	0.53	0.22	2,945.63	0.03	0.06	2,965.20
0.25	12.84	1.15	0.08	1.15	0.52	8,844.78	0.04	0.99	9,139.70

PM10	PM2.5
Paved Road - PM only	
0.24	0.06
0.96	0.24
0.08	0.02
0.05	0.01
0.16	0.04
0.09	0.02
3.46	0.85
5.04	1.24

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.01	0.00	0.02	0.00	0.00	0.00	0.41	0.00	0.00	0.50
0.39	0.09	1.00	0.00	0.00	0.00	21.60	0.02	0.01	25.37
0.41	0.17	1.02	0.00	0.00	0.00	22.01	0.02	0.01	25.86

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.00	0.03	0.03	0.00	0.00	0.00	4.72	0.00	0.00	4.95
0.00	0.04	0.05	0.00	0.00	0.00	7.87	0.00	0.00	8.24
0.00	0.01	0.01	0.00	0.00	0.00	1.57	0.00	0.00	1.65
0.00	0.04	0.01	0.00	0.00	0.00	5.29	0.00	0.00	5.54
0.00	0.03	0.01	0.00	0.00	0.00	3.53	0.00	0.00	3.69
0.00	0.01	0.01	0.00	0.00	0.00	0.53	0.00	0.00	0.55
0.01	0.15	0.12	0.00	0.00	0.00	23.51	0.00	0.00	24.62
0.67	13.15	2.29	0.09	6.19	1.76	8,890.30	0.06	1.00	9,190.19

2027 Operation Mobile Source Assumptions Summary

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Freight Trucks	HHDT	60	6	360	312	18,720
Concentrate Trucks	HHDT	145	10	1,450	728	105,560
Explosives Trucks	HHDT	60	2	120	104	6,240
Fuel Trucks	MHDT	3.5	6	21	108	378
Cement Delivery	MHDT	60	4	240	936	56,160
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	5	8	40	2,184	10,920
Employees	LDA, LDT1 & LDT2 Composite	14.7	356	5,233	120,788	1,775,584

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Freight Trucks	HHDT	60	6	360	312	18,720
Concentrate Trucks	HHDT	145	10	1,450	728	105,560
Explosives Trucks	HHDT	60	2	120	104	6,240
Fuel Trucks	MHDT	3.5	6	21	108	378
Cement Delivery	MHDT	60	4	240	936	56,160
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	5	8	40	2,184	10,920
Employees	LDA, LDT1 & LDT2 Composite	14.7	356	5,233	120,788	1,775,584

Project Vehicle	EMFAC Class	Max. Daily Trips (trips/day)	Annual Trips (trips/year)
Freight Trucks	HHDT	3	156
Concentrate Trucks	HHDT	5	364
Explosives Trucks	HHDT	1	52
Fuel Trucks	MHDT	3	54
Cement Delivery	MHDT	2	468
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	4	1,092
Employees	LDA, LDT1 & LDT2 Composite	178	60,394

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Freight Trucks	HHDT	15	780
Concentrate Trucks	HHDT	25	1,820
Explosives Trucks	HHDT	5	260
Fuel Trucks	MHDT	15	270
Cement Delivery	MHDT	10	2,340
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	20	5,460

2027 Operation Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual										
(Tons/Year)						(Metric Tons/Year)				
ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
Running Exhaust, Tire Wear, and Break Wear										
	0.00	0.05	0.00	0.00	0.00	0.00	23.27	0.00	0.00	24.36
	0.00	0.30	0.03	0.00	0.01	0.01	131.22	0.00	0.02	137.37
	0.00	0.02	0.00	0.00	0.00	0.00	7.76	0.00	0.00	8.12
	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.40
	0.00	0.14	0.01	0.00	0.01	0.00	56.35	0.00	0.01	58.99
	0.00	0.00	0.01	0.00	0.00	0.00	4.01	0.00	0.00	4.06
	0.02	0.11	0.00	0.00	0.09	0.04	453.33	0.00	0.01	456.34
	0.03	0.62	0.05	0.01	0.12	0.05	676.33	0.01	0.04	689.65

	PM10	PM2.5
Paved Road - PM only		
	0.01	0.00
	0.03	0.01
	0.00	0.00
	0.00	0.00
	0.02	0.00
	0.01	0.00
	0.59	0.14
	0.66	0.16

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.06
0.07	0.02	0.17	0.00	0.00	0.00	3.32	0.00	0.00	3.90
0.07	0.02	0.17	0.00	0.00	0.00	3.37	0.00	0.00	3.97

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.12
0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.27
0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04
0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.05
0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.39
0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.07
0.00	0.01	0.01	0.00	0.00	0.00	0.89	0.00	0.00	0.93
0.10	0.64	0.23	0.01	0.78	0.21	680.59	0.01	0.05	694.55

2027 Operation Mobile Source Emissions Factors - EMFAC2017

Emission Factors: Summary

Project Vehicle	Vehicle Classes	Fuel	Speed	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
				Running Exhaust, Tire Wear, and Break Wear (grams/mile)								
Freight Trucks	HHDT	Diesel	Aggregate	0.026	2.563	0.229	0.012	0.124	0.061	1,243.121	0.001	0.195
Concentrate Trucks	HHDT	Diesel	Aggregate	0.026	2.563	0.229	0.012	0.124	0.061	1,243.121	0.001	0.195
Explosives Trucks	HHDT	Diesel	Aggregate	0.026	2.563	0.229	0.012	0.124	0.061	1,243.121	0.001	0.195
Fuel Trucks	MHDT	Diesel	Aggregate	0.021	2.185	0.149	0.009	0.154	0.070	1,003.389	0.001	0.158
Cement Trucks	MHDT	Diesel	Aggregate	0.021	2.185	0.149	0.009	0.154	0.070	1,003.389	0.001	0.158
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	Gas, Diesel (Aggregate)	Aggregate	0.039	0.350	1.040	0.004	0.055	0.024	367.390	0.006	0.015
Employees	LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (Aggregate)	Aggregate	0.011	0.056	0.000	0.003	0.046	0.019	255.315	0.003	0.005

Project Vehicle	Vehicle Classes	PM10	PM2.5
		Paved Road - PM Only (grams/mile)	
Freight Trucks	HHDT	0.300	0.074
Concentrate Trucks	HHDT	0.300	0.074
Explosives Trucks	HHDT	0.300	0.074
Fuel Trucks	MHDT	1.059	0.260
Cement Trucks	MHDT	0.300	0.074
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	1.059	0.260
Employees	LDA, LDT1 & LDT2 Composite	0.300	0.074

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap (grams/trip)								
Freight Trucks	HHDT	Diesel	0.000	2.536	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Concentrate Trucks	HHDT	Diesel	0.000	2.536	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Explosives Trucks	HHDT	Diesel	0.000	2.536	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel Trucks	MHDT	Diesel	0.000	2.064	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cement Trucks	MHDT	Diesel	0.000	2.064	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	Gas, Diesel (Aggregate)	1.584	0.302	2.346	0.000	0.001	0.001	46.623	0.058	0.028
Employees	LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (Aggregate)	1.005	0.232	2.541	0.001	0.002	0.000	55.033	0.060	0.027

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Idling (grams/Idle-min/vehicle)								
Freight Trucks	HHDT	Diesel	0.063	0.766	0.930	0.001	0.000	0.000	142.790	0.003	0.022
Concentrate Trucks	HHDT	Diesel	0.063	0.766	0.930	0.001	0.000	0.000	142.790	0.003	0.022
Explosives Trucks	HHDT	Diesel	0.063	0.766	0.930	0.001	0.000	0.000	142.790	0.003	0.022
Fuel Trucks	MHDT	Diesel	0.015	1.200	0.453	0.002	0.001	0.001	159.986	0.001	0.025
Cement Trucks	MHDT	Diesel	0.015	1.200	0.453	0.002	0.001	0.001	159.986	0.001	0.025
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	Gas, Diesel (Aggregate)	0.020	0.117	0.175	0.000	0.001	0.001	12.004	0.004	0.001

Operation Mobile Source Emissions Factors - EMFAC2017 ROG

								STEX HOTSOAK RUNLOSS ROG RESTLOSS									
Region	CalYr	VehClass	Fuel	Speed	Population	VTM	Trips	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_RESTLOSS	ROG_DIURN	ROG_RESTLOSS - Calculated	ROG_DIURN - Calculated	DIURN_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)	(g/vehicle/day)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)
NORTHERN SIERRA AQMD	2027	HHDT	DSL	Aggregate	1,951.59	248,530.72	20,814.51 HHDT	0.025967145 0.0260	6.928136419 6.9281	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	-	-	0.0000
NORTHERN SIERRA AQMD	2027	MHDT	DSL	Aggregate	941.75	50,679.23	7,995.62 MHDT	0.020750881 0.0208	0.085530375 0.0855	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	-	-	0.0000
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.018519963	0	0.361808194	0.222331397	0.871635988	0.232279143	0.411084808			
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.086694609	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0	0.004888026	0	0.003286497	0.014326382			
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.020120284	0	0.443597362	0.228345201	0.872757127	0.267032625	0.455019613			
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.020267054	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0	0.004888026	0	0.003296766	0.014398947			
NORTHERN SIERRA AQMD	2027	LHDT1	GAS	Aggregate	2,832.71	84,099.37	42,203.13	0.108086079	0.428335624	0.164498897	0.267041204	2.988900088	0.029699955	0.079600894			
NORTHERN SIERRA AQMD	2027	LHDT1	DSL	Aggregate	3,478.22	101,703.80	43,751.63	0.211373867	0.109759705	0	0	0	0	0			
NORTHERN SIERRA AQMD	2027	LHDT2	GAS	Aggregate	233.20	7,925.99	3,474.31	0.030293669	0.413893168	0.120734717	0.13637094	0.926778625	0.016902096	0.039613252			
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20	0.174938606	0.109759705	0	0	0	0	0			
LDT1, LDT2, LHDT1, & LHDT2 Composite								0.0388	0.0357	0.2965	0.1849	0.9996	0.2185	0.3769	0.037830	0.065244	1.5841
NORTHERN SIERRA AQMD	2027	LDA	GAS	Aggregate	57,891.54	2,261,636.32	270,059.11	0.006316698	0	0.211274002	0.102790335	0.228303383	0.102079587	0.176913156			
NORTHERN SIERRA AQMD	2027	LDA	DSL	Aggregate	841.23	31,300.08	3,857.51	0.013465547	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2027	LDA	ELEC	Aggregate	2,016.55	92,198.35	9,932.48	0	0	0	0.004888026	0	0.003298489	0.014383773			
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.018519963	0	0.361808194	0.222331397	0.871635988	0.232279143	0.411084808			
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.086694609	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0	0.004888026	0	0.003286497	0.014326382			
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.020120284	0	0.443597362	0.228345201	0.872757127	0.267032625	0.455019613			
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.020267054	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0	0.004888026	0	0.003296766	0.014398947			
LDA, LDT1, LDT2 Composite								0.0112	0.0000	0.2876	0.1478	0.4724	0.1626	0.2802	0.035613	0.061387	1.0048

EMFAC2017 (v1.0.2) Emission Rates
Region Type: Air District
Region: NORTHERN SIERRA AQMD
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN
Model Year: Aggregated

Notes:
Idle Duration:
HHDT 109.4 min/day
MHDT 5.86 min/day
LHDT1 1.74 min/day
LHDT2 1.87 min/day

Operation Mobile Source Emissions Factors - EMFAC2017 NOx

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	NOx_RUNEX (g/mile)	NOx_IDLEX (g/vehicle/day)	NOx_STREX (g/trip)
NORTHERN SIERRA AQMD	2027	HHDT	DSL	Aggregate	1,951.59	248,530.72	20,814.51 HHDT	2.562802914 2.5628	83.80954347 83.8095	2.536156212 2.5362
NORTHERN SIERRA AQMD	2027	MHDT	DSL	Aggregate	941.75	50,679.23	7,995.62 MHDT	2.185469683 2.1855	7.033025057 7.0330	2.064422386 2.0644
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.081030679	0	0.262897058
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.471352677	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.108210848	0	0.361419031
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.071919079	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
NORTHERN SIERRA AQMD	2027	LHDT1	GAS	Aggregate	2,832.71	84,099.37	42,203.13	0.437490178	0.03755467	0.547475578
NORTHERN SIERRA AQMD	2027	LHDT1	DSL	Aggregate	3,478.22	101,703.80	43,751.63	3.277734699	2.32831321	0
NORTHERN SIERRA AQMD	2027	LHDT2	GAS	Aggregate	233.20	7,925.99	3,474.31	0.201441031	0.036087792	0.507256617
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20	1.987865933	2.233557155	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.3496	0.2074	0.3019
NORTHERN SIERRA AQMD	2027	LDA	GAS	Aggregate	57,891.54	2,261,636.32	270,059.11	0.030072878	0	0.173028013
NORTHERN SIERRA AQMD	2027	LDA	DSL	Aggregate	841.23	31,300.08	3,857.51	0.058237217	0	0
NORTHERN SIERRA AQMD	2027	LDA	ELEC	Aggregate	2,016.55	92,198.35	9,932.48	0	0	0
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.081030679	0	0.262897058
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.471352677	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.108210848	0	0.361419031
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.071919079	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
							LDA, LDT1, LDT2 Composite	0.0561	0.0000	0.2321

Operation Mobile Source Emissions Factors - EMFAC2017 CO

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CO_RUNEX (g/mile)	CO_IDLEX (g/vehicle/day)	CO_STREX (g/trip)
NORTHERN SIERRA AQMD	2027	HHDT	DSL	Aggregate	1,951.59	248,530.72	20,814.51 HHDT	0.229093162 0.2291	101.7277486 101.7277	0 0.0000
NORTHERN SIERRA AQMD	2027	MHDT	DSL	Aggregate	941.75	50,679.23	7,995.62 MHDT	0.148594673 0.1486	2.65650931 2.6565	0 0.0000
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.944682466	0	2.593153528
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.666079394	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	1.01587995	0	3.251253261
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.211560646	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
NORTHERN SIERRA AQMD	2027	LHDT1	GAS	Aggregate	2,832.71	84,099.37	42,203.13	2.146560975	3.705572183	2.387898753
NORTHERN SIERRA AQMD	2027	LHDT1	DSL	Aggregate	3,478.22	101,703.80	43,751.63	1.028038642	0.909745076	0
NORTHERN SIERRA AQMD	2027	LHDT2	GAS	Aggregate	233.20	7,925.99	3,474.31	0.580374778	3.765755508	1.754816634
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20	0.872499196	0.909745076	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	1.0401	0.3064	2.3465
NORTHERN SIERRA AQMD	2027	LDA	GAS	Aggregate	57,891.54	2,261,636.32	270,059.11	0.534742675	0	2.315827054
NORTHERN SIERRA AQMD	2027	LDA	DSL	Aggregate	841.23	31,300.08	3,857.51	0.265883429	0	0
NORTHERN SIERRA AQMD	2027	LDA	ELEC	Aggregate	2,016.55	92,198.35	9,932.48	0	0	0
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.944682466	0	2.593153528
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.666079394	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	1.01587995	0	3.251253261
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.211560646	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
							LDA, LDT1, LDT2 Composite	0.6875	0.0000	2.5409

Operation Mobile Source Emissions Factors - EMFAC2017 SO2

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	SO2_RUNEX (g/mile)	SO2_IDLEX (g/vehicle/day)	SO2_STREX (g/trip)
NORTHERN SIERRA AQMD	2027	HHDT	DSL	Aggregate	1,951.59	248,530.72	20,814.51 HHDT	0.011744392 0.0117	0.147581214 0.1476	0 0.0000
NORTHERN SIERRA AQMD	2027	MHDT	DSL	Aggregate	941.75	50,679.23	7,995.62 MHDT	0.009479524 0.0095	0.00885721 0.0089	0 0.0000
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.00289557	0	0.00061848
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.003567675	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.00313776	0	0.000692213
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.002474731	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
NORTHERN SIERRA AQMD	2027	LHDT1	GAS	Aggregate	2,832.71	84,099.37	42,203.13	0.009791573	0.001190714	0.000195296
NORTHERN SIERRA AQMD	2027	LHDT1	DSL	Aggregate	3,478.22	101,703.80	43,751.63	0.005307974	0.001302158	0
NORTHERN SIERRA AQMD	2027	LHDT2	GAS	Aggregate	233.20	7,925.99	3,474.31	0.010920944	0.001344747	0.000209016
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20	0.005868539	0.002061811	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.0036	0.0002	0.0005
NORTHERN SIERRA AQMD	2027	LDA	GAS	Aggregate	57,891.54	2,261,636.32	270,059.11	0.002312703	0	0.000489553
NORTHERN SIERRA AQMD	2027	LDA	DSL	Aggregate	841.23	31,300.08	3,857.51	0.001787358	0	0
NORTHERN SIERRA AQMD	2027	LDA	ELEC	Aggregate	2,016.55	92,198.35	9,932.48	0	0	0
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.00289557	0	0.00061848
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.003567675	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.00313776	0	0.000692213
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.002474731	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
							LDA, LDT1, LDT2 Composite	0.0025	0.0000	0.0005

Operation Mobile Source Emissions Factors - EMFAC2017 PM10

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW	PM10_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/mile)	(g/mile)	(g/mile)
NORTHERN SIERRA AQMD	2027	HHDT	DSL	Aggregate	1,951.59	248,530.72	20,814.51 HHDT	0.026875581 0.0269	0.036708158 0.0367	0 0.0000	0.035611883 0.0356	0.061074379 0.0611	0.123562
NORTHERN SIERRA AQMD	2027	MHDT	DSL	Aggregate	941.75	50,679.23	7,995.62 MHDT	0.012092173 0.0121	0.008096669 0.0081	0 0.0000	0.012000003 0.0120	0.130340037 0.1303	0.154432
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.001701005	0	0.002105212	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.072615476	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.001536685	0	0.001940059	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.005697174	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LHDT1	GAS	Aggregate	2,832.71	84,099.37	42,203.13	0.003338064	0	0.000640301	0.008000002	0.076440022	
NORTHERN SIERRA AQMD	2027	LHDT1	DSL	Aggregate	3,478.22	101,703.80	43,751.63	0.037468117	0.027761101	0	0.012000003	0.076440022	
NORTHERN SIERRA AQMD	2027	LHDT2	GAS	Aggregate	233.20	7,925.99	3,474.31	0.002135412	0	0.000352435	0.008000002	0.089180026	
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20	0.031024236	0.027814028	0	0.012000003	0.089180026	
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.0044	0.0025	0.0014	0.0083	0.0425	0.055222
NORTHERN SIERRA AQMD	2027	LDA	GAS	Aggregate	57,891.54	2,261,636.32	270,059.11	0.001329743	0	0.001717407	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDA	DSL	Aggregate	841.23	31,300.08	3,857.51	0.004695226	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDA	ELEC	Aggregate	2,016.55	92,198.35	9,932.48	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.001701005	0	0.002105212	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.072615476	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.001536685	0	0.001940059	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.005697174	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0	0.008000002	0.036750011	
							LDA, LDT1, LDT2 Composite	0.0014	0.0000	0.0018	0.0080	0.0368	0.046170

Operation Mobile Source Emissions Factors - EMFAC2017 PM2.5

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	PM2.5_RUNEX	PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW	PM2.5_Combined
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/mile)	(g/mile)	Calculated
NORTHERN SIERRA AQMD	2027	HHDT	DSL	Aggregate	1,951.59	248,530.72	20,814.51	0.025712956	0.035120179	0	0.008902971	0.026174734	0.060791
							HHDT	0.0257	0.0351	0.0000	0.0089	0.0262	
NORTHERN SIERRA AQMD	2027	MHDT	DSL	Aggregate	941.75	50,679.23	7,995.62	0.011569071	0.00774641	0	0.003000001	0.055860016	0.070429
							MHDT	0.0116	0.0077	0.0000	0.0030	0.0559	
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.001564011	0	0.001935664	0.002000001	0.015750005	0.024470
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.069474163	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.001412925	0	0.001783813	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.005450716	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LHDT1	GAS	Aggregate	2,832.71	84,099.37	42,203.13	0.003069227	0	0.000588734	0.002000001	0.032760009	
NORTHERN SIERRA AQMD	2027	LHDT1	DSL	Aggregate	3,478.22	101,703.80	43,751.63	0.035847263	0.026560168	0	0.003000001	0.032760009	
NORTHERN SIERRA AQMD	2027	LHDT2	GAS	Aggregate	233.20	7,925.99	3,474.31	0.001963433	0	0.000324051	0.002000001	0.038220011	
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20	0.029682142	0.026610805	0	0.003000001	0.038220011	
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.0042	0.0024	0.0012	0.0021	0.0182	
NORTHERN SIERRA AQMD	2027	LDA	GAS	Aggregate	57,891.54	2,261,636.32	270,059.11	0.00122265	0	0.001579092	0.002000001	0.015750005	0.019057
NORTHERN SIERRA AQMD	2027	LDA	DSL	Aggregate	841.23	31,300.08	3,857.51	0.004492113	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDA	ELEC	Aggregate	2,016.55	92,198.35	9,932.48	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.001564011	0	0.001935664	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.069474163	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.001412925	0	0.001783813	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.005450716	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0	0.002000001	0.015750005	
							LDA, LDT1, LDT2 Composite	0.0013	0.0000	0.0016	0.0020	0.0158	

Operation Mobile Source Emissions Factors - EMFAC2017 CO2

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX
								(g/mile)	(g/vehicle/day)	(g/trip)
NORTHERN SIERRA AQMD	2027	HHDT	DSL	Aggregate	1,951.59	248,530.72	20,814.51	1243.12111	15621.18536	0
							HHDT	1243.1211	15621.1854	0.0000
NORTHERN SIERRA AQMD	2027	MHDT	DSL	Aggregate	941.75	50,679.23	7,995.62	1003.389248	937.5185567	0
							MHDT	1003.3892	937.5186	0.0000
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	292.6056166	0	62.49917798
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	377.388162	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	317.079614	0	69.95006275
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	261.7766776	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
NORTHERN SIERRA AQMD	2027	LHDT1	GAS	Aggregate	2,832.71	84,099.37	42,203.13	989.4664434	120.3250587	19.73517011
NORTHERN SIERRA AQMD	2027	LHDT1	DSL	Aggregate	3,478.22	101,703.80	43,751.63	561.4767292	137.7420711	0
NORTHERN SIERRA AQMD	2027	LHDT2	GAS	Aggregate	233.20	7,925.99	3,474.31	1103.592641	135.8905691	21.12169279
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20	620.7731913	218.0980139	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	367.3901	21.2325	46.6233
NORTHERN SIERRA AQMD	2027	LDA	GAS	Aggregate	57,891.54	2,261,636.32	270,059.11	233.7052632	0	49.47076819
NORTHERN SIERRA AQMD	2027	LDA	DSL	Aggregate	841.23	31,300.08	3,857.51	189.0664307	0	0
NORTHERN SIERRA AQMD	2027	LDA	ELEC	Aggregate	2,016.55	92,198.35	9,932.48	0	0	0
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	292.6056166	0	62.49917798
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	377.388162	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	317.079614	0	69.95006275
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	261.7766776	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
							LDA, LDT1, LDT2 Composite	255.3154	0.0000	55.0331

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 CH4

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CH4_RUNEX (g/mile)	CH4_IDLEX (g/vehicle/day)	CH4_STREX (g/trip)
NORTHERN SIERRA AQMD	2027	HHDT	DSL	Aggregate	1,951.59	248,530.72	20,814.51 HHDT	0.001206107 0.0012	0.321793993 0.3218	0 0.0000
NORTHERN SIERRA AQMD	2027	MHDT	DSL	Aggregate	941.75	50,679.23	7,995.62 MHDT	0.000963825 0.0010	0.003972664 0.0040	0 0.0000
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.004250207	0	0.072127408
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.004026799	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.004634429	0	0.087719116
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.000941366	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
NORTHERN SIERRA AQMD	2027	LHDT1	GAS	Aggregate	2,832.71	84,099.37	42,203.13	0.02104129	0.111897465	0.030125228
NORTHERN SIERRA AQMD	2027	LHDT1	DSL	Aggregate	3,478.22	101,703.80	43,751.63	0.009817912	0.005098128	0
NORTHERN SIERRA AQMD	2027	LHDT2	GAS	Aggregate	233.20	7,925.99	3,474.31	0.006728905	0.115567833	0.024048286
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20	0.008125564	0.005098128	0
LDT1, LDT2, LHDT1, & LHDT2 Composite								0.0057	0.0073	0.0584
NORTHERN SIERRA AQMD	2027	LDA	GAS	Aggregate	57,891.54	2,261,636.32	270,059.11	0.001698422	0	0.047040844
NORTHERN SIERRA AQMD	2027	LDA	DSL	Aggregate	841.23	31,300.08	3,857.51	0.000625449	0	0
NORTHERN SIERRA AQMD	2027	LDA	ELEC	Aggregate	2,016.55	92,198.35	9,932.48	0	0	0
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.004250207	0	0.072127408
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.004026799	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.004634429	0	0.087719116
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.000941366	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
LDA, LDT1, LDT2 Composite								0.0027	0.0000	0.0599

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 N2O

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	N2O_RUNEX (g/mile)	N2O_IDLEX (g/vehicle/day)	N2O_STREX (g/trip)
NORTHERN SIERRA AQMD	2027	HHDT	DSL	Aggregate	1,951.59	248,530.72	20,814.51 HHDT	0.195401327 0.1954	2.455432801 2.4554	0 0.0000
NORTHERN SIERRA AQMD	2027	MHDT	DSL	Aggregate	941.75	50,679.23	7,995.62 MHDT	0.157718817 0.1577	0.147364861 0.1474	0 0.0000
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.00676185	0	0.029608759
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.059320164	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.007918393	0	0.035360269
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.041147648	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
NORTHERN SIERRA AQMD	2027	LHDT1	GAS	Aggregate	2,832.71	84,099.37	42,203.13	0.022644935	0.002753087	0.038857157
NORTHERN SIERRA AQMD	2027	LHDT1	DSL	Aggregate	3,478.22	101,703.80	43,751.63	0.088256323	0.021651135	0
NORTHERN SIERRA AQMD	2027	LHDT2	GAS	Aggregate	233.20	7,925.99	3,474.31	0.013057814	0.002943555	0.039381498
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20	0.097576901	0.034281971	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.0152	0.0023	0.0278
NORTHERN SIERRA AQMD	2027	LDA	GAS	Aggregate	57,891.54	2,261,636.32	270,059.11	0.003884144	0	0.024224077
NORTHERN SIERRA AQMD	2027	LDA	DSL	Aggregate	841.23	31,300.08	3,857.51	0.02971861	0	0
NORTHERN SIERRA AQMD	2027	LDA	ELEC	Aggregate	2,016.55	92,198.35	9,932.48	0	0	0
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.00676185	0	0.029608759
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.059320164	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.007918393	0	0.035360269
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.041147648	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
							LDA, LDT1, LDT2 Composite	0.0055	0.0000	0.0272

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Paved Road Fugitive Emissions - Operation Mobile Sources

Equation:

$$E = k \times (sL/2)^{0.91} \times (W)1.02 \text{ [maximum day]}$$

Where:

		Units
k	particle size multiplier (PM ₁₀)	0.00220 lb/VMT
k	particle size multiplier (PM _{2.5})	0.00054 lb/VMT
sL	silt loading (2)	0.1 g/m ²
sL	silt loading (low ADT roads)	0.4 g/m ²
W	average weight (tons) of the vehicle traveling the road	2.4 tons

Notes/References:

k = Emission factors from CalEEMod2020.4.0 per AP-42, Section 13.2.1 (Paved Roads).

sL = silt loading per AP-42, Section 13.2.1 (Paved Roads).

W = Average vehicle weight from CalEEMod2020.4.0, consistent with the statewide average vehicle weight used in CARB's Entrained Road Travel, Paved Road Dust, 2016 Update.

For daily emissions it is assumed to have no precipitation.

Per AP-42, Section 13.2.1 (Paved Roads): The above equation calls for the average weight of all vehicles traveling the road. For example, if 99 percent of traffic on the road are 2 ton cars/trucks while the remaining 1 percent consists of 20 ton trucks, then the mean weight "W" is 2.2 tons. More specifically, the above equation is not intended to be used to calculate a separate emission factor for each vehicle weight class. Instead, only one emission factor should be calculated to represent the "fleet" average weight of all vehicles traveling the road.

Emission Factors	PM10 Paved Road	PM2.5 Paved Road	PM10 Paved Road	PM2.5 Paved Road
	(lb/VMT)	(lb/VMT)	(g/VMT)	(g/VMT)
All Vehicles - High ADT Roads	0.0007	0.0002	0.2998	0.0736
All Vehicles - Low ADT Roads	0.0023	0.0006	1.0587	0.2599

On-Road Vehicles - 2027
OnSite

2027 Operation Mobile Source Assumptions Summary

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.64	200	127	36,500	23,178
Onsite-Only Soil Haul Trucks	HHDT	0.10	24	2.28	8,760	832
Freight Trucks	HHDT	0.26	6	2	312	81
Concentrate Trucks	HHDT	0.26	10	3	728	189
Explosives Trucks	HHDT	0.26	2	1	104	27
Fuel Trucks	MHDT	0.26	6	2	108	28
Cement Trucks	MHDT	0.26	4	1	936	243
Onsite-Only Water Trucks	MHDT	0.44	8	3.52	2,920	1,285
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	0.26	8	2	2,184	568
Onsite-Only Light-Duty Trucks	LHDT2	0.19	24	5	8,760	1,664
Employees	LDA, LDT1 & LDT2 Composite	0.12	356	43	120,788	14,495

Subtotal

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.64	200	127	36,500	23,178
Onsite-Only Soil Haul Trucks	HHDT	0	0	0	0	0
Freight Trucks	HHDT	0.26	6	2	312	81
Concentrate Trucks	HHDT	0.26	10	3	728	189
Explosives Trucks	HHDT	0.26	2	1	104	27
Fuel Trucks	MHDT	0.26	6	2	108	28
Cement Delivery	MHDT	0.26	4	1	936	243
Onsite-Only Water Trucks	MHDT	0	0	0	0	0
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	0.26	8	2	2,184	568
Onsite-Only Light-Duty Trucks	LHDT2	0	0	0	0	0
Employees	LDA, LDT1 & LDT2 Composite	0.12	356	43	120,788	14,495
Onsite-Only Forklifts				60		21,900
Onsite-Only Wheel Loader		0.05	150	8		2,738

Subtotal

Project Vehicle	EMFAC Class	Max. Daily Trips (trips/day)	Annual Trips (trips/year)
Haul Trucks	HHDT	200	36,500
Onsite-Only Soil Haul Trucks	HHDT	24	8,760
Freight Trucks	HHDT	3	156
Concentrate Trucks	HHDT	5	364
Explosives Trucks	HHDT	1	52
Fuel Trucks	MHDT	3	54
Cement Delivery	MHDT	2	468
Onsite-Only Water Trucks	MHDT	8	2,920
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	4	1,092
Onsite-Only Light-Duty Trucks	LHDT2	24	8,760
Employees	LDA, LDT1 & LDT2 Composite	178	60,394

Subtotal

2027 Operation Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.01	0.72	0.06	0.00	0.03	0.02	348.06	0.00	0.05	364.37
0.00	0.01	0.00	0.00	0.00	0.00	6.25	0.00	0.00	6.54
0.00	0.01	0.00	0.00	0.00	0.00	4.28	0.00	0.00	4.48
0.00	0.01	0.00	0.00	0.00	0.00	7.13	0.00	0.00	7.46
0.00	0.00	0.00	0.00	0.00	0.00	1.43	0.00	0.00	1.49
0.00	0.01	0.00	0.00	0.00	0.00	3.45	0.00	0.00	3.61
0.00	0.01	0.00	0.00	0.00	0.00	2.30	0.00	0.00	2.41
0.00	0.06	0.01	0.00	0.00	0.00	17.50	0.00	0.00	18.32
0.00	0.00	0.00	0.00	0.00	0.00	1.68	0.00	0.00	1.71
0.00	0.02	0.01	0.00	0.00	0.00	6.24	0.00	0.00	6.54
0.00	0.01	0.00	0.00	0.00	0.00	24.05	0.00	0.00	24.21
0.01	0.85	0.09	0.00	0.04	0.02	422.35	0.00	0.06	441.12

PM10	PM2.5
Paved Road - PM only	
1.62	0.40
0.00	0.00
0.02	0.00
0.03	0.01
0.01	0.00
0.02	0.00
0.01	0.00
0.00	0.00
0.03	0.01
0.00	0.00
0.10	0.02
0.77	0.19
0.10	0.02
2.70	0.66

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.01	0.00	0.02	0.00	0.00	0.00	0.41	0.00	0.00	0.50
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.39	0.09	1.00	0.00	0.00	0.00	21.60	0.02	0.01	25.37
0.41	1.46	1.02	0.00	0.00	0.00	22.01	0.02	0.01	25.86

Project Vehicle	EMFAC Class	Idling	Idling										
		Minutes per Day (min/day)	Minutes per Year (min/year)	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Haul Trucks	HHDT	1,000	182,500	0.14	1.69	2.05	0.00	0.00	0.00	314.80	0.01	0.05	329.71
Onsite-Only Soil Haul Trucks	HHDT	120	43,800	0.02	0.20	0.25	0.00	0.00	0.00	37.78	0.00	0.01	39.56
Freight Trucks	HHDT	15	780	0.00	0.03	0.03	0.00	0.00	0.00	4.72	0.00	0.00	4.95
Concentrate Trucks	HHDT	25	1,820	0.00	0.04	0.05	0.00	0.00	0.00	7.87	0.00	0.00	8.24
Explosives Trucks	HHDT	5	260	0.00	0.01	0.01	0.00	0.00	0.00	1.57	0.00	0.00	1.65
Fuel Trucks	MHDT	15	270	0.00	0.04	0.01	0.00	0.00	0.00	5.29	0.00	0.00	5.54
Cement Delivery	MHDT	10	2,340	0.00	0.03	0.01	0.00	0.00	0.00	3.53	0.00	0.00	3.69
Onsite-Only Water Trucks	MHDT	40	14,600	0.00	0.11	0.04	0.00	0.00	0.00	14.11	0.00	0.00	14.77
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	20	5,460	0.00	0.01	0.01	0.00	0.00	0.00	0.53	0.00	0.00	0.55
Onsite-Only Light-Duty Trucks	LHDT2	120	43,800	0.02	0.32	0.13	0.00	0.00	0.00	30.86	0.00	0.00	32.32
Subtotal				0.18	2.46	2.59	0.00	0.01	0.00	421.05	0.01	0.07	440.97
TOTAL				0.60	4.77	3.70	0.01	2.75	0.69	865.41	0.03	0.14	907.96

2027 Operation Mobile Source Assumptions Summary

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.64	200	127	36,500	23,178
Onsite-Only Soil Haul Trucks	HHDT	0.10	24	2.28	8,760	832
Freight Trucks	HHDT	0.26	6	2	312	81
Concentrate Trucks	HHDT	0.26	10	3	728	189
Explosives Trucks	HHDT	0.26	2	1	104	27
Fuel Trucks	MHDT	0.26	6	2	108	28
Cement Trucks	MHDT	0.26	4	1	936	243
Onsite-Only Water Trucks	MHDT	0.44	8	3.52	2,920	1,285
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	0.26	8	2	2,184	568
Onsite-Only Light-Duty Trucks	LHDT2	0.19	24	5	8,760	1,664
Employees	LDA, LDT1 & LDT2 Composite	0.12	356	43	120,788	14,495

Subtotal

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.64	200	127	36,500	23,178
Onsite-Only Soil Haul Trucks	HHDT	0	0	0	0	0
Freight Trucks	HHDT	0.26	6	2	312	81
Concentrate Trucks	HHDT	0.26	10	3	728	189
Explosives Trucks	HHDT	0.26	2	1	104	27
Fuel Trucks	MHDT	0.26	6	2	108	28
Cement Delivery	MHDT	0.26	4	1	936	243
Onsite-Only Water Trucks	MHDT	0	0	0	0	0
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	0.26	8	2	2,184	568
Onsite-Only Light-Duty Trucks	LHDT2	0	0	0	0	0
Employees	LDA, LDT1 & LDT2 Composite	0.12	356	43	120,788	14,495
Onsite-Only Forklifts				60		21,900
Onsite-Only Wheel Loader		0.05	150	8		2,738

Subtotal

Project Vehicle	EMFAC Class	Max. Daily Trips (trips/day)	Annual Trips (trips/year)
Haul Trucks	HHDT	200	36,500
Onsite-Only Soil Haul Trucks	HHDT	24	8,760
Freight Trucks	HHDT	3	156
Concentrate Trucks	HHDT	5	364
Explosives Trucks	HHDT	1	52
Fuel Trucks	MHDT	3	54
Cement Delivery	MHDT	2	468
Onsite-Only Water Trucks	MHDT	8	2,920
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	4	1,092
Onsite-Only Light-Duty Trucks	LHDT2	24	8,760
Employees	LDA, LDT1 & LDT2 Composite	178	60,394

Subtotal

2027 Operation Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual										
(Tons/Year)						(Metric Tons/Year)				
ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
Running Exhaust, Tire Wear, and Break Wear										
0.00	0.07	0.01	0.00	0.00	0.00	0.00	28.81	0.00	0.00	30.16
0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	1.08
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.11
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.25
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.04
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.26
0.00	0.01	0.00	0.00	0.00	0.00	0.00	2.90	0.00	0.00	3.03
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.21
0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	1.08
0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.70	0.00	0.00	3.73
0.00	0.08	0.01	0.00	0.00	0.00	0.00	38.33	0.00	0.01	39.97

PM10	PM2.5
Paved Road - PM only	
0.15	0.04
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.09	0.02
0.14	0.03
0.02	0.00
0.40	0.10

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.06
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.07	0.02	0.17	0.00	0.00	0.00	3.32	0.00	0.00	3.90
0.07	0.15	0.17	0.00	0.00	0.00	3.37	0.00	0.00	3.97

Project Vehicle	EMFAC Class	Idling	Idling										
		Minutes per Day (min/day)	Minutes per Year (min/year)	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Haul Trucks	HHDT	1,000	182,500	0.01	0.15	0.19	0.00	0.00	0.00	0.00	26.06	0.00	27.29
Onsite-Only Soil Haul Trucks	HHDT	120	43,800	0.00	0.04	0.04	0.00	0.00	0.00	0.00	6.25	0.00	6.55
Freight Trucks	HHDT	15	780	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.12
Concentrate Trucks	HHDT	25	1,820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.27
Explosives Trucks	HHDT	5	260	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.04
Fuel Trucks	MHDT	15	270	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.05
Cement Delivery	MHDT	10	2,340	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.39
Onsite-Only Water Trucks	MHDT	40	14,600	0.00	0.02	0.01	0.00	0.00	0.00	0.00	2.34	0.00	2.45
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	20	5,460	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.07
Onsite-Only Light-Duty Trucks	LHDT2	120	43,800	0.00	0.06	0.02	0.00	0.00	0.00	0.00	5.11	0.00	5.35
Subtotal				0.02	0.27	0.27	0.00	0.00	0.00	40.65	0.00	0.01	42.57
TOTAL				0.09	0.51	0.45	0.00	0.41	0.10	82.35	0.00	0.01	86.51

Pound/year Pound/hour
Asbestos 0.080929445 9.23852E-06
Silica 485.5766708 0.055431127

Note: Assumes 0.01% asbestos and 60% silica content in fugitive dust.

2027 Operation Mobile Source Emissions Factors - EMFAC2017

Emission Factors: Summary

Project Vehicle	Vehicle Classes	Fuel	Speed	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
				Running Exhaust, Tire Wear, and Break Wear (grams/mile)								
Haul Trucks	HHDT	Diesel	Aggregate	0.026	2.563	0.229	0.012	0.124	0.061	1,243.121	0.001	0.195
Onsite-Only Soil Haul Trucks	HHDT	Diesel	Aggregate	0.026	2.563	0.229	0.012	0.124	0.061	1,243.121	0.001	0.195
Freight Trucks	HHDT	Diesel	Aggregate	0.026	2.563	0.229	0.012	0.124	0.061	1,243.121	0.001	0.195
Concentrate Trucks	HHDT	Diesel	Aggregate	0.026	2.563	0.229	0.012	0.124	0.061	1,243.121	0.001	0.195
Explosives Trucks	HHDT	Diesel	Aggregate	0.026	2.563	0.229	0.012	0.124	0.061	1,243.121	0.001	0.195
Fuel Trucks	MHDT	Diesel	Aggregate	0.021	2.185	0.149	0.009	0.154	0.070	1,003.389	0.001	0.158
Cement Trucks	MHDT	Diesel	Aggregate	0.021	2.185	0.149	0.009	0.154	0.070	1,003.389	0.001	0.158
Onsite-Only Water Trucks	MHDT	Diesel	5 mph	0.084	7.506	0.834	0.021	0.154	0.070	2,254.735	0.004	0.354
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	Gas, Diesel (Aggregate)	Aggregate	0.039	0.350	1.040	0.004	0.055	0.024	367.390	0.006	0.015
Onsite-Only Light-Duty Trucks	LHDT2	Diesel	Aggregate	0.175	1.988	0.872	0.006	0.132	0.071	620.773	0.008	0.098
Employees	LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (Aggregate)	Aggregate	0.011	0.056	0.000	0.003	0.046	0.019	255.315	0.003	0.005

Project Vehicle	Vehicle Classes	PM10	PM2.5
		Paved Road - PM Only (grams/mile)	
Haul Trucks	HHDT	5.786	1.420
Onsite-Only Soil Haul Trucks	HHDT	5.786	1.420
Freight Trucks	HHDT	5.786	1.420
Concentrate Trucks	HHDT	5.786	1.420
Explosives Trucks	HHDT	5.786	1.420
Fuel Trucks	MHDT	5.786	1.420
Cement Trucks	MHDT	5.786	1.420
Onsite-Only Water Trucks	MHDT	5.786	1.420
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	5.786	1.420
Onsite-Only Light-Duty Trucks	LHDT2	5.786	1.420
Employees	LDA, LDT1 & LDT2 Composite	5.786	1.420
Onsite-Only Forklifts	N/A (Offroad)	5.786	1.420
Onsite-Only Wheel Loader	N/A (Offroad)	5.786	1.420

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap (grams/trip)								
Haul Trucks	HHDT	Diesel	0.000	2.536	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Onsite-Only Soil Haul Trucks	HHDT	Diesel	0.000	2.536	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Freight Trucks	HHDT	Diesel	0.000	2.536	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Concentrate Trucks	HHDT	Diesel	0.000	2.536	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Explosives Trucks	HHDT	Diesel	0.000	2.536	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel Trucks	MHDT	Diesel	0.000	2.064	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cement Trucks	MHDT	Diesel	0.000	2.064	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Onsite-Only Water Trucks	MHDT	Diesel	0.000	2.064	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	Gas, Diesel (Aggregate)	1.584	0.302	2.346	0.000	0.001	0.001	46.623	0.058	0.028
Onsite-Only Light-Duty Trucks	LHDT2	Diesel	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Employees	LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (Aggregate)	1.005	0.232	2.541	0.001	0.002	0.000	55.033	0.060	0.027

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Idling (grams/Idle-min/vehicle)								
Haul Trucks	HHDT	Diesel	0.063	0.766	0.930	0.001	0.000	0.000	142.790	0.003	0.022
Onsite-Only Soil Haul Trucks	HHDT	Diesel	0.063	0.766	0.930	0.001	0.000	0.000	142.790	0.003	0.022
Freight Trucks	HHDT	Diesel	0.063	0.766	0.930	0.001	0.000	0.000	142.790	0.003	0.022
Concentrate Trucks	HHDT	Diesel	0.063	0.766	0.930	0.001	0.000	0.000	142.790	0.003	0.022
Explosives Trucks	HHDT	Diesel	0.063	0.766	0.930	0.001	0.000	0.000	142.790	0.003	0.022
Fuel Trucks	MHDT	Diesel	0.015	1.200	0.453	0.002	0.001	0.001	159.986	0.001	0.025
Cement Trucks	MHDT	Diesel	0.015	1.200	0.453	0.002	0.001	0.001	159.986	0.001	0.025
Onsite-Only Water Trucks	MHDT	Diesel	0.015	1.200	0.453	0.002	0.001	0.001	159.986	0.001	0.025
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	Gas, Diesel (Aggregate)	0.020	0.117	0.175	0.000	0.001	0.001	12.004	0.000	0.001
Onsite-Only Light-Duty Trucks	LHDT2	Diesel	0.059	1.194	0.486	0.001	0.015	0.014	116.630	0.003	0.018

Operation Mobile Source Emissions Factors - EMFAC2017 ROG

								STEX HOTSOAK RUNLOSS ROG RESTLOSS									
Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_RESTLOSS	ROG_DIURN	ROG_RESTLOSS - Calculated	ROG_DIURN - Calculated	DIURN_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)	(g/vehicle/day)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)
NORTHERN SIERRA AQMD	2027	HHDT	DSL	Aggregate	1,951.59	248,530.72	20,814.51 HHDT (Agg)	0.025967145 0.0260	6.928136419 6.9281	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	-	-	0.0000
NORTHERN SIERRA AQMD	2027	HHDT	DSL	20		4,713.00	HHDT (20 mph)	0.047928795 0.0479									
NORTHERN SIERRA AQMD	2027	MHDT	DSL	Aggregate	941.75	50,679.23	7,995.62 MHDT	0.020750881 0.0208	0.085530375 0.0855	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	-	-	0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,400.01	MHDT (5 mph)	0.08417584 0.0842									
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.018519963	0	0.361808194	0.222331397	0.871635988	0.232279143	0.411084808			
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.086694609	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0	0.004888026	0	0.003286497	0.014326382			
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.020120284	0	0.443597362	0.228345201	0.872757127	0.267032625	0.455019613			
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.020267054	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0	0.004888026	0	0.003296766	0.014398947			
NORTHERN SIERRA AQMD	2027	LHDT1	GAS	Aggregate	2,832.71	84,099.37	42,203.13	0.108086079	0.428335624	0.164498897	0.267041204	2.988900088	0.029699955	0.079600894			
NORTHERN SIERRA AQMD	2027	LHDT1	DSL	Aggregate	3,478.22	101,703.80	43,751.63	0.211373867	0.109759705	0	0	0	0	0			
NORTHERN SIERRA AQMD	2027	LHDT2	GAS	Aggregate	233.20	7,925.99	3,474.31	0.030293669	0.413893168	0.120734717	0.13637094	0.926778625	0.016902096	0.039613252			
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20	0.174938606	0.109759705	0	0	0	0	0			
LDT1, LDT2, LHDT1, & LHDT2 Composite								0.0388	0.0357	0.2965	0.1849	0.9996	0.2185	0.3769	0.037830	0.065244	1.5841
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20 LHDT2	0.174938606 0.1749	0.109759705 0.1098	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	-	-	0.0000
NORTHERN SIERRA AQMD	2027	LDA	GAS	Aggregate	57,891.54	2,261,636.32	270,059.11	0.006316698	0	0.211274002	0.102790335	0.228303383	0.102079587	0.176913156			
NORTHERN SIERRA AQMD	2027	LDA	DSL	Aggregate	841.23	31,300.08	3,857.51	0.013465547	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2027	LDA	ELEC	Aggregate	2,016.55	92,198.35	9,932.48	0	0	0	0.004888026	0	0.003298489	0.014383773			
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.018519963	0	0.361808194	0.222331397	0.871635988	0.232279143	0.411084808			
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.086694609	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0	0.004888026	0	0.003286497	0.014326382			
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.020120284	0	0.443597362	0.228345201	0.872757127	0.267032625	0.455019613			
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.020267054	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0	0.004888026	0	0.003296766	0.014398947			
LDA, LDT1, LDT2 Composite								0.0112	0.0000	0.2876	0.1478	0.4724	0.1626	0.2802	0.035613	0.061387	1.0048

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Operation Mobile Source Emissions Factors - EMFAC2017 NOx

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	NOx_RUNEX (g/mile)	NOx_IDLEX (g/vehicle/day)	NOx_STREX (g/trip)
NORTHERN SIERRA AQMD	2027	HHDT	DSL	Aggregate	1,951.59	248,530.72	20,814.51 HHDT (Agg)	2.562802914 2.5628	83.80954347 83.8095	2.536156212 2.5362
NORTHERN SIERRA AQMD	2027	HHDT	DSL	20		4,713.00	HHDT (20 mph)	5.901742504 5.9017		
NORTHERN SIERRA AQMD	2027	MHDT	DSL	Aggregate	941.75	50,679.23	7,995.62 MHDT	2.185469683 2.1855	7.033025057 7.0330	2.064422386 2.0644
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,400.01	MHDT (5 mph)	7.506110798 7.5061		
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.081030679	0	0.262897058
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.471352677	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.108210848	0	0.361419031
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.071919079	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
NORTHERN SIERRA AQMD	2027	LHDT1	GAS	Aggregate	2,832.71	84,099.37	42,203.13	0.437490178	0.03755467	0.547475578
NORTHERN SIERRA AQMD	2027	LHDT1	DSL	Aggregate	3,478.22	101,703.80	43,751.63	3.277734699	2.32831321	0
NORTHERN SIERRA AQMD	2027	LHDT2	GAS	Aggregate	233.20	7,925.99	3,474.31	0.201441031	0.036087792	0.507256617
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20	1.987865933	2.233557155	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.3496	0.2074	0.3019
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20 LHDT2	1.987865933 1.9879	2.233557155 2.2336	0 0.0000
NORTHERN SIERRA AQMD	2027	LDA	GAS	Aggregate	57,891.54	2,261,636.32	270,059.11	0.030072878	0	0.173028013
NORTHERN SIERRA AQMD	2027	LDA	DSL	Aggregate	841.23	31,300.08	3,857.51	0.058237217	0	0
NORTHERN SIERRA AQMD	2027	LDA	ELEC	Aggregate	2,016.55	92,198.35	9,932.48	0	0	0
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.081030679	0	0.262897058
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.471352677	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.108210848	0	0.361419031
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.071919079	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
							LDA, LDT1, LDT2 Composite	0.0561	0.0000	0.2321

Operation Mobile Source Emissions Factors - EMFAC2017 CO

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CO_RUNEX (g/mile)	CO_IDLEX (g/vehicle/day)	CO_STREX (g/trip)
NORTHERN SIERRA AQMD	2027	HHDT	DSL	Aggregate	1,951.59	248,530.72	20,814.51 HHDT (Agg)	0.229093162 0.2291	101.7277486 101.7277	0 0.0000
NORTHERN SIERRA AQMD	2027	HHDT	DSL	20		4,713.00	HHDT (20 mph)	0.491454032 0.4915		
NORTHERN SIERRA AQMD	2027	MHDT	DSL	Aggregate	941.75	50,679.23	7,995.62 MHDT	0.148594673 0.1486	2.65650931 2.6565	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,400.01	MHDT (5 mph)	0.833798031 0.8338		
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.944682466	0	2.593153528
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.666079394	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	1.01587995	0	3.251253261
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.211560646	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
NORTHERN SIERRA AQMD	2027	LHDT1	GAS	Aggregate	2,832.71	84,099.37	42,203.13	2.146560975	3.705572183	2.387898753
NORTHERN SIERRA AQMD	2027	LHDT1	DSL	Aggregate	3,478.22	101,703.80	43,751.63	1.028038642	0.909745076	0
NORTHERN SIERRA AQMD	2027	LHDT2	GAS	Aggregate	233.20	7,925.99	3,474.31	0.580374778	3.765755508	1.754816634
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20	0.872499196	0.909745076	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	1.0401	0.3064	2.3465
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20 LHDT2	0.872499196 0.8725	0.909745076 0.9097	0 0.0000
NORTHERN SIERRA AQMD	2027	LDA	GAS	Aggregate	57,891.54	2,261,636.32	270,059.11	0.534742675	0	2.315827054
NORTHERN SIERRA AQMD	2027	LDA	DSL	Aggregate	841.23	31,300.08	3,857.51	0.265883429	0	0
NORTHERN SIERRA AQMD	2027	LDA	ELEC	Aggregate	2,016.55	92,198.35	9,932.48	0	0	0
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.944682466	0	2.593153528
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.666079394	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	1.01587995	0	3.251253261
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.211560646	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
							LDA, LDT1, LDT2 Composite	0.6875	0.0000	2.5409

Operation Mobile Source Emissions Factors - EMFAC2017 SO2

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	SO2_RUNEX (g/mile)	SO2_IDLEX (g/vehicle/day)	SO2_STREX (g/trip)
NORTHERN SIERRA AQMD	2027	HHDT	DSL	Aggregate	1,951.59	248,530.72	20,814.51 HHDT (Agg)	0.011744392 0.0117	0.147581214 0.1476	0 0.0000
NORTHERN SIERRA AQMD	2027	HHDT	DSL	20		4,713.00	HHDT (20 mph)	0.016578155 0.0166		
NORTHERN SIERRA AQMD	2027	MHDT	DSL	Aggregate	941.75	50,679.23	7,995.62 MHDT	0.009479524 0.0095	0.00885721 0.0089	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,400.01	MHDT (5 mph)	0.021301621 0.0213		
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.00289557	0	0.00061848
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.003567675	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.00313776	0	0.000692213
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.002474731	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
NORTHERN SIERRA AQMD	2027	LHDT1	GAS	Aggregate	2,832.71	84,099.37	42,203.13	0.009791573	0.001190714	0.000195296
NORTHERN SIERRA AQMD	2027	LHDT1	DSL	Aggregate	3,478.22	101,703.80	43,751.63	0.005307974	0.001302158	0
NORTHERN SIERRA AQMD	2027	LHDT2	GAS	Aggregate	233.20	7,925.99	3,474.31	0.010920944	0.001344747	0.000209016
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20	0.005868539	0.002061811	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.0036	0.0002	0.0005
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20 LHDT2	0.005868539 0.0059	0.002061811 0.0021	0 0.0000
NORTHERN SIERRA AQMD	2027	LDA	GAS	Aggregate	57,891.54	2,261,636.32	270,059.11	0.002312703	0	0.000489553
NORTHERN SIERRA AQMD	2027	LDA	DSL	Aggregate	841.23	31,300.08	3,857.51	0.001787358	0	0
NORTHERN SIERRA AQMD	2027	LDA	ELEC	Aggregate	2,016.55	92,198.35	9,932.48	0	0	0
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.00289557	0	0.00061848
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.003567675	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.00313776	0	0.000692213
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.002474731	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
							LDA, LDT1, LDT2 Composite	0.0025	0.0000	0.0005

Operation Mobile Source Emissions Factors - EMFAC2017 PM10

Region	CalYr	VehClass	Fuel	Speed	Population	VTM	Trips	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW	PM10_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/mile)	(g/mile)	(g/mile)
NORTHERN SIERRA AQMD	2027	HHDT	DSL	Aggregate	1,951.59	248,530.72	20,814.51 HHDT (Agg)	0.026875581 0.0269	0.036708158 0.0367	0 0.0000	0.035611883 0.0356	0.061074379 0.0611	0.123562
NORTHERN SIERRA AQMD	2027	HHDT	DSL	20		4,713.00	HHDT (20 mph)	0.013809161 0.0138	0.0367	0.0000	0.0356	0.0611	0.110495
NORTHERN SIERRA AQMD	2027	MHDT	DSL	Aggregate	941.75	50,679.23	7,995.62 MHDT	0.012092173 0.0121	0.008096669 0.0081	0 0.0000	0.012000003 0.0120	0.130340037 0.1303	0.154432
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,400.01	MHDT (5 mph)	0.01133764 0.0113	0.0081	0.0000	0.0120	0.1303	0.153678
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.001701005	0	0.002105212	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.072615476	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.001536685	0	0.001940059	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.005697174	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LHDT1	GAS	Aggregate	2,832.71	84,099.37	42,203.13	0.003338064	0	0.000640301	0.008000002	0.076440022	
NORTHERN SIERRA AQMD	2027	LHDT1	DSL	Aggregate	3,478.22	101,703.80	43,751.63	0.037468117	0.027761101	0	0.012000003	0.076440022	
NORTHERN SIERRA AQMD	2027	LHDT2	GAS	Aggregate	233.20	7,925.99	3,474.31	0.002135412	0	0.000352435	0.008000002	0.089180026	
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20	0.031024236	0.027814028	0	0.012000003	0.089180026	
				LDT1, LDT2, LHDT1, & LHDT2 Composite				0.0044	0.0025	0.0014	0.0083	0.0425	0.055222
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20 LHDT2	0.031024236 0.0310	0.027814028 0.0278	0 0.0000	0.012000003 0.0120	0.089180026 0.0892	0.132204
NORTHERN SIERRA AQMD	2027	LDA	GAS	Aggregate	57,891.54	2,261,636.32	270,059.11	0.001329743	0	0.001717407	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDA	DSL	Aggregate	841.23	31,300.08	3,857.51	0.004695226	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDA	ELEC	Aggregate	2,016.55	92,198.35	9,932.48	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.001701005	0	0.002105212	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.072615476	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.001536685	0	0.001940059	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.005697174	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0	0.008000002	0.036750011	
				LDA, LDT1, LDT2 Composite				0.0014	0.0000	0.0018	0.0080	0.0368	0.046170

Operation Mobile Source Emissions Factors - EMFAC2017 PM2.5

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	PM2.5_RUNEX	PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW	PM2.5_Combined
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/mile)	(g/mile)	Calculated
NORTHERN SIERRA AQMD	2027	HHDT	DSL	Aggregate	1,951.59	248,530.72	20,814.51 HHDT (Agg)	0.025712956 0.0257	0.035120179 0.0351	0 0.0000	0.008902971 0.0089	0.026174734 0.0262	0.060791
NORTHERN SIERRA AQMD	2027	HHDT	DSL	20		4,713.00	HHDT (20 mph)	0.013211782 0.0132	0.0351	0.0000	0.0089	0.0262	0.048290
NORTHERN SIERRA AQMD	2027	MHDT	DSL	Aggregate	941.75	50,679.23	7,995.62 MHDT	0.011569071 0.0116	0.00774641 0.0077	0 0.0000	0.003000001 0.0030	0.055860016 0.0559	0.070429
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,400.01	MHDT (5 mph)	0.010847179 0.0108	0.0077	0.0000	0.0030	0.0559	0.069707
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.001564011	0	0.001935664	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.069474163	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.001412925	0	0.001783813	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.005450716	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LHDT1	GAS	Aggregate	2,832.71	84,099.37	42,203.13	0.003069227	0	0.000588734	0.002000001	0.032760009	
NORTHERN SIERRA AQMD	2027	LHDT1	DSL	Aggregate	3,478.22	101,703.80	43,751.63	0.035847263	0.026560168	0	0.003000001	0.032760009	
NORTHERN SIERRA AQMD	2027	LHDT2	GAS	Aggregate	233.20	7,925.99	3,474.31	0.001963433	0	0.000324051	0.002000001	0.038220011	
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20	0.029682142	0.026610805	0	0.003000001	0.038220011	
				LDT1, LDT2, LHDT1, & LHDT2 Composite				0.0042	0.0024	0.0012	0.0021	0.0182	0.024470
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20 LHDT2	0.029682142 0.0297	0.026610805 0.0266	0 0.0000	0.003000001 0.0030	0.038220011 0.0382	0.070902
NORTHERN SIERRA AQMD	2027	LDA	GAS	Aggregate	57,891.54	2,261,636.32	270,059.11	0.00122265	0	0.001579092	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDA	DSL	Aggregate	841.23	31,300.08	3,857.51	0.004492113	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDA	ELEC	Aggregate	2,016.55	92,198.35	9,932.48	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.001564011	0	0.001935664	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.069474163	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.001412925	0	0.001783813	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.005450716	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0	0.002000001	0.015750005	
				LDA, LDT1, LDT2 Composite				0.0013	0.0000	0.0016	0.0020	0.0158	0.019057

Operation Mobile Source Emissions Factors - EMFAC2017 CO2

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX
								(g/mile)	(g/vehicle/day)	(g/trip)
NORTHERN SIERRA AQMD	2027	HHDT	DSL	Aggregate	1,951.59	248,530.72	20,814.51	1243.12111	15621.18536	0
HHDT (Agg)								1243.1211	15621.1854	0.0000
NORTHERN SIERRA AQMD	2027	HHDT	DSL	20		4,713.00		1754.765584		
HHDT (20 mph)								1754.7656		
NORTHERN SIERRA AQMD	2027	MHDT	DSL	Aggregate	941.75	50,679.23	7,995.62	1003.389248	937.5185567	0
MHDT								1003.3892	937.5186	0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,400.01		2254.735239		
MHDT (5 mph)								2254.7352		
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	292.6056166	0	62.49917798
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	377.388162	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	317.079614	0	69.95006275
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	261.7766776	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
NORTHERN SIERRA AQMD	2027	LHDT1	GAS	Aggregate	2,832.71	84,099.37	42,203.13	989.4664434	120.3250587	19.73517011
NORTHERN SIERRA AQMD	2027	LHDT1	DSL	Aggregate	3,478.22	101,703.80	43,751.63	561.4767292	137.7420711	0
NORTHERN SIERRA AQMD	2027	LHDT2	GAS	Aggregate	233.20	7,925.99	3,474.31	1103.592641	135.8905691	21.12169279
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20	620.7731913	218.0980139	0
LDT1, LDT2, LHDT1, & LHDT2 Composite								367.3901	21.2325	46.6233
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20	620.7731913	218.0980139	0
LHDT2								620.7732	218.0980	0.0000
NORTHERN SIERRA AQMD	2027	LDA	GAS	Aggregate	57,891.54	2,261,636.32	270,059.11	233.7052632	0	49.47076819
NORTHERN SIERRA AQMD	2027	LDA	DSL	Aggregate	841.23	31,300.08	3,857.51	189.0664307	0	0
NORTHERN SIERRA AQMD	2027	LDA	ELEC	Aggregate	2,016.55	92,198.35	9,932.48	0	0	0
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	292.6056166	0	62.49917798
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	377.388162	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	317.079614	0	69.95006275
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	261.7766776	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
LDA, LDT1, LDT2 Composite								255.3154	0.0000	55.0331

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 CH4

Region	CalYr	VehClass	Fuel	Speed	Population	VTM	Trips	CH4_RUNEX	CH4_IDLEX	CH4_STREX
								(g/mile)	(g/vehicle/day)	(g/trip)
NORTHERN SIERRA AQMD	2027	HHDT	DSL	Aggregate	1,951.59	248,530.72	20,814.51 HHDT (Agg)	0.001206107 0.0012	0.321793993 0.3218	0 0.0000
NORTHERN SIERRA AQMD	2027	HHDT	DSL	20		4,713.00	HHDT (20 mph)	0.002226168 0.0022		
NORTHERN SIERRA AQMD	2027	MHDT	DSL	Aggregate	941.75	50,679.23	7,995.62 MHDT	0.000963825 0.0010	0.003972664 0.0040	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,400.01	MHDT (5 mph)	0.00390975 0.0039		
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.004250207	0	0.072127408
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.004026799	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.004634429	0	0.087719116
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.000941366	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
NORTHERN SIERRA AQMD	2027	LHDT1	GAS	Aggregate	2,832.71	84,099.37	42,203.13	0.02104129	0.111897465	0.030125228
NORTHERN SIERRA AQMD	2027	LHDT1	DSL	Aggregate	3,478.22	101,703.80	43,751.63	0.009817912	0.005098128	0
NORTHERN SIERRA AQMD	2027	LHDT2	GAS	Aggregate	233.20	7,925.99	3,474.31	0.006728905	0.115567833	0.024048286
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20	0.008125564	0.005098128	0
LDT1, LDT2, LHDT1, & LHDT2 Composite								0.0057	0.0073	0.0584
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20 LHDT2	0.008125564 0.0081	0.005098128 0.0051	0 0.0000
NORTHERN SIERRA AQMD	2027	LDA	GAS	Aggregate	57,891.54	2,261,636.32	270,059.11	0.001698422	0	0.047040844
NORTHERN SIERRA AQMD	2027	LDA	DSL	Aggregate	841.23	31,300.08	3,857.51	0.000625449	0	0
NORTHERN SIERRA AQMD	2027	LDA	ELEC	Aggregate	2,016.55	92,198.35	9,932.48	0	0	0
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.004250207	0	0.072127408
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.004026799	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.004634429	0	0.087719116
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.000941366	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
LDA, LDT1, LDT2 Composite								0.0027	0.0000	0.0599

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 N2O

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	N2O_RUNEX (g/mile)	N2O_IDLEX (g/vehicle/day)	N2O_STREX (g/trip)
NORTHERN SIERRA AQMD	2027	HHDT	DSL	Aggregate	1,951.59	248,530.72	20,814.51 HHDT (Agg)	0.195401327 0.1954	2.455432801 2.4554	0 0.0000
NORTHERN SIERRA AQMD	2027	HHDT	DSL	20		4,713.00	HHDT (20 mph)	0.275824713 0.2758		
NORTHERN SIERRA AQMD	2027	MHDT	DSL	Aggregate	941.75	50,679.23	7,995.62 MHDT	0.157718817 0.1577	0.147364861 0.1474	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,400.01	MHDT (5 mph)	0.354412981 0.3544		
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.00676185	0	0.029608759
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.059320164	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.007918393	0	0.035360269
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.041147648	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
NORTHERN SIERRA AQMD	2027	LHDT1	GAS	Aggregate	2,832.71	84,099.37	42,203.13	0.022644935	0.002753087	0.038857157
NORTHERN SIERRA AQMD	2027	LHDT1	DSL	Aggregate	3,478.22	101,703.80	43,751.63	0.088256323	0.021651135	0
NORTHERN SIERRA AQMD	2027	LHDT2	GAS	Aggregate	233.20	7,925.99	3,474.31	0.013057814	0.002943555	0.039381498
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20	0.097576901	0.034281971	0
				LDT1, LDT2, LHDT1, & LHDT2 Composite				0.0152	0.0023	0.0278
NORTHERN SIERRA AQMD	2027	LHDT2	DSL	Aggregate	1,004.49	31,830.20	12,635.20 LHDT2	0.097576901 0.0976	0.034281971 0.0343	0 0.0000
NORTHERN SIERRA AQMD	2027	LDA	GAS	Aggregate	57,891.54	2,261,636.32	270,059.11	0.003884144	0	0.024224077
NORTHERN SIERRA AQMD	2027	LDA	DSL	Aggregate	841.23	31,300.08	3,857.51	0.02971861	0	0
NORTHERN SIERRA AQMD	2027	LDA	ELEC	Aggregate	2,016.55	92,198.35	9,932.48	0	0	0
NORTHERN SIERRA AQMD	2027	LDT1	GAS	Aggregate	9,065.75	305,742.98	40,050.57	0.00676185	0	0.029608759
NORTHERN SIERRA AQMD	2027	LDT1	DSL	Aggregate	3.63	70.32	12.30	0.059320164	0	0
NORTHERN SIERRA AQMD	2027	LDT1	ELEC	Aggregate	102.01	4,817.93	507.82	0	0	0
NORTHERN SIERRA AQMD	2027	LDT2	GAS	Aggregate	33,042.22	1,097,842.44	145,403.41	0.007918393	0	0.035360269
NORTHERN SIERRA AQMD	2027	LDT2	DSL	Aggregate	234.64	9,161.92	1,102.40	0.041147648	0	0
NORTHERN SIERRA AQMD	2027	LDT2	ELEC	Aggregate	431.08	13,939.22	2,137.71	0	0	0
				LDA, LDT1, LDT2 Composite				0.0055	0.0000	0.0272

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Paved Road Fugitive Emissions - Operation Mobile Sources

Equation:

$$E = k \times (sL/2)^{0.91} \times (W)1.02 \text{ [maximum day]}$$

Where:

		Units
k	particle size multiplier (PM ₁₀)	0.00220 lb/VMT
k	particle size multiplier (PM _{2.5})	0.00054 lb/VMT
sL	silt loading	0.6 g/m ²
W	average weight (tons) of the vehicle traveling the road	8.8 tons

Notes/References:

k = Emission factors from CalEEMod2020.4.0 per AP-42, Section 13.2.1 (Paved Roads).

sL = silt loading per AP-42, Section 13.2.1 (Paved Roads).

W = Average vehicle weight calculated for the project site per AP-42, Section 13.2.1 (Paved Roads) equation.

For daily emissions it is assumed to have no precipitation.

Per AP-42, Section 13.2.1 (Paved Roads): The above equation calls for the average weight of all vehicles traveling the road. For example, if 99 percent of traffic on the road are 2 ton cars/trucks while the remaining 1 percent consists of 20 ton trucks, then the mean weight "W" is 2.2 tons. More specifically, the above equation is not intended to be used to calculate a separate emission factor for each vehicle weight class. Instead, only one emission factor should be calculated to represent the "fleet" average weight of all vehicles traveling the road.

Vehicle	Average Daily Trips	Total Distance (miles)	Total Vehicle Miles Traveled	Weight (tons)
Haul Trucks	50	0.82	41	20.8
Freight Trucks	0.43	0.52	0	27.5
Concentrate Trucks	1.0	0.52	1	27.5
Explosives Trucks	0.14	0.52	0	27.5
Fuel Trucks	0.15	0.52	0	27.5
Cement Trucks	1.28	0.52	1	27.5
Outside Services (light vehicles)	3.0	0.52	2	12.5
Light Trucks	80	0.52	41	3.45
Employee Vehicles	325	0.12	38	2.25
Forklifts			60	5
Wheel Loader	150	0.05	7	33
Weighted Average			191	8.8

Emission Factors	PM10 Paved Road (lb/VMT)	PM2.5 Paved Road (lb/VMT)	PM10 Paved Road (g/VMT)	PM2.5 Paved Road (g/VMT)
All Vehicles	0.0128	0.0031	5.7858	1.4202

On-Road Vehicles - 2033
OffSite

2033 Operation Mobile Source Assumptions Summary

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	60	200	12,000	36,500	2,190,000
Freight Trucks	HHDT	60	6	360	312	18,720
Concentrate Trucks	HHDT	145	10	1,450	728	105,560
Explosives Trucks	HHDT	60	2	120	104	6,240
Fuel Trucks	MHDT	3.5	6	21	108	378
Cement Delivery	MHDT	60	4	240	936	56,160
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	5	8	40	2,184	10,920
Employees	LDA, LDT1 & LDT2 Composite	14.7	356	5,233	120,788	1,775,584

Subtotal

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	60	200	12,000	36,500	2,190,000
Freight Trucks	HHDT	60	6	360	312	18,720
Concentrate Trucks	HHDT	145	10	1,450	728	105,560
Explosives Trucks	HHDT	60	2	120	104	6,240
Fuel Trucks	MHDT	3.5	6	21	108	378
Cement Delivery	MHDT	60	4	240	936	56,160
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	5	8	40	2,184	10,920
Employees	LDA, LDT1 & LDT2 Composite	14.7	356	5,233	120,788	1,775,584

Subtotal

Project Vehicle	EMFAC Class	Max Daily Trips (trips/day)	Annual Trips (trips/year)
Haul Trucks	HHDT	100	18,250
Freight Trucks	HHDT	3	156
Concentrate Trucks	HHDT	5	364
Explosives Trucks	HHDT	1	52
Fuel Trucks	MHDT	3	54
Cement Delivery	MHDT	2	468
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	4	1,092
Employees	LDA, LDT1 & LDT2 Composite	178	60,394

Subtotal

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Minutes per Year (min/year)
Haul Trucks	HHDT	500	91,250
Freight Trucks	HHDT	15	780
Concentrate Trucks	HHDT	25	1,820
Explosives Trucks	HHDT	5	260
Fuel Trucks	MHDT	15	270
Cement Delivery	MHDT	10	2,340
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	20	5,460

Subtotal

2033 Operation Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.60	61.71	5.81	0.27	3.21	1.55	28,928.13	0.03	4.55	30,283.86
0.02	1.85	0.17	0.01	0.10	0.05	867.84	0.00	0.14	908.52
0.07	7.46	0.70	0.03	0.39	0.19	3,495.48	0.00	0.55	3,659.30
0.01	0.62	0.06	0.00	0.03	0.02	289.28	0.00	0.05	302.84
0.00	0.09	0.01	0.00	0.01	0.00	42.80	0.00	0.01	44.80
0.01	1.04	0.07	0.00	0.08	0.04	489.10	0.00	0.08	512.02
0.00	0.02	0.06	0.00	0.00	0.00	27.66	0.00	0.00	27.94
0.06	0.36	0.00	0.03	0.53	0.21	2,536.44	0.02	0.05	2,550.69
0.77	73.14	6.88	0.35	4.34	2.06	36,676.73	0.05	5.41	38,289.97

PM10	PM2.5
Paved Road - PM only	
7.93	1.95
0.24	0.06
0.96	0.24
0.08	0.02
0.05	0.01
0.16	0.04
0.09	0.02
3.46	0.85
12.97	3.18

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.01	0.00	0.02	0.00	0.00	0.00	0.37	0.00	0.00	0.45
0.27	0.07	0.83	0.00	0.00	0.00	18.40	0.02	0.01	21.44
0.28	0.72	0.85	0.00	0.00	0.00	18.77	0.02	0.01	21.89

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.07	0.83	1.03	0.00	0.00	0.00	141.23	0.00	0.02	147.92
0.00	0.03	0.03	0.00	0.00	0.00	4.24	0.00	0.00	4.44
0.00	0.04	0.05	0.00	0.00	0.00	7.06	0.00	0.00	7.40
0.00	0.01	0.01	0.00	0.00	0.00	1.41	0.00	0.00	1.48
0.00	0.03	0.02	0.00	0.00	0.00	4.51	0.00	0.00	4.72
0.00	0.02	0.01	0.00	0.00	0.00	3.01	0.00	0.00	3.15
0.00	0.00	0.01	0.00	0.00	0.00	0.41	0.00	0.00	0.43
0.08	0.96	1.15	0.00	0.00	0.00	161.86	0.00	0.03	169.53
1.13	74.82	8.88	0.35	17.31	5.24	36,857.36	0.07	5.44	38,481.39

2033 Operation Mobile Source Assumptions Summary

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	60	200	12,000	36,500	2,190,000
Freight Trucks	HHDT	60	6	360	312	18,720
Concentrate Trucks	HHDT	145	10	1,450	728	105,560
Explosives Trucks	HHDT	60	2	120	104	6,240
Fuel Trucks	MHDT	3.5	6	21	108	378
Cement Delivery	MHDT	60	4	240	936	56,160
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	5	8	40	2,184	10,920
Employees	LDA, LDT1 & LDT2 Composite	14.7	356	5,233	120,788	1,775,584

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	60	200	12,000	36,500	2,190,000
Freight Trucks	HHDT	60	6	360	312	18,720
Concentrate Trucks	HHDT	145	10	1,450	728	105,560
Explosives Trucks	HHDT	60	2	120	104	6,240
Fuel Trucks	MHDT	3.5	6	21	108	378
Cement Delivery	MHDT	60	4	240	936	56,160
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	5	8	40	2,184	10,920
Employees	LDA, LDT1 & LDT2 Composite	14.7	356	5,233	120,788	1,775,584

Project Vehicle	EMFAC Class	Max Daily Trips (trips/day)	Annual Trips (trips/year)
Haul Trucks	HHDT	100	18,250
Freight Trucks	HHDT	3	156
Concentrate Trucks	HHDT	5	364
Explosives Trucks	HHDT	1	52
Fuel Trucks	MHDT	3	54
Cement Delivery	MHDT	2	468
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	4	1,092
Employees	LDA, LDT1 & LDT2 Composite	178	60,394

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Minutes per Year (min/year)
Haul Trucks	HHDT	500	91,250
Freight Trucks	HHDT	15	780
Concentrate Trucks	HHDT	25	1,820
Explosives Trucks	HHDT	5	260
Fuel Trucks	MHDT	15	270
Cement Delivery	MHDT	10	2,340
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	20	5,460

2033 Operation Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual									
(Tons/Year)						(Metric Tons/Year)			
ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.05	5.63	0.53	0.02	0.29	0.14	2,394.69	0.00	0.38	2,506.91
0.00	0.05	0.00	0.00	0.00	0.00	20.47	0.00	0.00	21.43
0.00	0.27	0.03	0.00	0.01	0.01	115.43	0.00	0.02	120.84
0.00	0.02	0.00	0.00	0.00	0.00	6.82	0.00	0.00	7.14
0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.37
0.00	0.12	0.01	0.00	0.01	0.00	51.91	0.00	0.01	54.35
0.00	0.00	0.01	0.00	0.00	0.00	3.43	0.00	0.00	3.46
0.01	0.06	0.00	0.00	0.09	0.04	390.36	0.00	0.01	392.55
Subtotal	0.07	6.15	0.58	0.03	0.41	2,983.45	0.01	0.41	3,107.05

PM10		PM2.5
Paved Road - PM only		
	0.72	0.18
	0.01	0.00
	0.03	0.01
	0.00	0.00
	0.00	0.00
	0.02	0.00
	0.01	0.00
	0.59	0.14
Subtotal	1.39	0.34

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.06
0.05	0.01	0.14	0.00	0.00	0.00	2.83	0.00	0.00	3.30
Subtotal	0.05	0.07	0.14	0.00	0.00	2.88	0.00	0.00	3.36

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.01	0.08	0.09	0.00	0.00	0.00	11.69	0.00	0.00	12.25
0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.10
0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.24
0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03
0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04
0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.33
0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05
0.01	0.08	0.10	0.00	0.00	0.00	12.46	0.00	0.00	13.05
0.12	6.30	0.82	0.03	1.80	0.53	2,998.79	0.01	0.42	3,123.46

2033 Operation Mobile Source Emissions Factors - EMFAC2017
Emission Factors: Summary

Project Vehicle	Vehicle Classes	Fuel	Speed	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
				Running Exhaust, Tire Wear, and Break Wear (grams/mile)								
Haul Trucks	HHDT	Diesel	Aggregate	0.023	2.333	0.219	0.010	0.121	0.059	1,093.464	0.001	0.172
Freight Trucks	HHDT	Diesel	Aggregate	0.023	2.333	0.219	0.010	0.121	0.059	1,093.464	0.001	0.172
Concentrate Trucks	HHDT	Diesel	Aggregate	0.023	2.333	0.219	0.010	0.121	0.059	1,093.464	0.001	0.172
Explosives Trucks	HHDT	Diesel	Aggregate	0.023	2.333	0.219	0.010	0.121	0.059	1,093.464	0.001	0.172
Fuel Trucks	MHDT	Diesel	Aggregate	0.015	1.966	0.141	0.009	0.152	0.068	924.385	0.001	0.145
Cement Trucks	MHDT	Diesel	Aggregate	0.015	1.966	0.141	0.009	0.152	0.068	924.385	0.001	0.145
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	Gas, Diesel (Aggregate)	Aggregate	0.021	0.173	0.672	0.003	0.053	0.022	313.698	0.003	0.010
Employees	LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (Aggregate)	Aggregate	0.005	0.031	0.000	0.002	0.046	0.019	219.848	0.001	0.004

Project Vehicle	Vehicle Classes	PM10 PM2.5	
		Paved Road - PM Only (grams/mile)	
Haul Trucks	HHDT	0.300	0.074
Freight Trucks	HHDT	0.300	0.074
Concentrate Trucks	HHDT	0.300	0.074
Explosives Trucks	HHDT	0.300	0.074
Fuel Trucks	MHDT	1.059	0.260
Cement Trucks	MHDT	0.300	0.074
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	1.059	0.260
Employees	LDA, LDT1 & LDT2 Composite	0.300	0.074

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap (grams/trip)								
Haul Trucks	HHDT	Diesel	0.000	2.612	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Freight Trucks	HHDT	Diesel	0.000	2.612	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Concentrate Trucks	HHDT	Diesel	0.000	2.612	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Explosives Trucks	HHDT	Diesel	0.000	2.612	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel Trucks	MHDT	Diesel	0.000	2.141	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cement Trucks	MHDT	Diesel	0.000	2.141	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	Gas, Diesel (Aggregate)	1.197	0.232	2.113	0.000	0.001	0.001	42.509	0.042	0.024
Employees	LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (Aggregate)	0.691	0.169	2.122	0.000	0.001	0.000	46.878	0.040	0.023

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Idling (grams/Idle-min/vehicle)								
Haul Trucks	HHDT	Diesel	0.063	0.757	0.932	0.001	0.000	0.000	128.117	0.003	0.020
Freight Trucks	HHDT	Diesel	0.063	0.757	0.932	0.001	0.000	0.000	128.117	0.003	0.020
Concentrate Trucks	HHDT	Diesel	0.063	0.757	0.932	0.001	0.000	0.000	128.117	0.003	0.020
Explosives Trucks	HHDT	Diesel	0.063	0.757	0.932	0.001	0.000	0.000	128.117	0.003	0.020
Fuel Trucks	MHDT	Diesel	0.012	0.892	0.456	0.001	0.000	0.000	136.320	0.001	0.021
Cement Trucks	MHDT	Diesel	0.012	0.892	0.456	0.001	0.000	0.000	136.320	0.001	0.021
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	Gas, Diesel (Aggregate)	0.016	0.077	0.153	0.000	0.001	0.001	9.357	0.003	0.001

Operation Mobile Source Emissions Factors - EMFAC2017 ROG

								STEX HOTSOAK RUNLOSS ROG RESTLOSS									
Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_RESTLOSS	ROG_DIURN	ROG_RESTLOSS Calculated	ROG_DIURN - Calculated	DIURN_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)	(g/vehicle/day)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)
NORTHERN SIERRA AQMD	2033	HHDT	DSL	Aggregate	2,069.31	267,737.09	21,903.89	0.022735765	6.919471292	0	0	0	0	0			
HHDT								0.0227	6.9195	0.0000	0.0000	0.0000	0.0000	0.0000	-	-	0.0000
NORTHERN SIERRA AQMD	2033	MHDT	DSL	Aggregate	937.23	49,520.20	8,122.53	0.015396582	0.070265746	0	0	0	0	0			
MHDT								0.0154	0.0703	0.0000	0.0000	0.0000	0.0000	0.0000	-	-	0.0000
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.007700031	0	0.205742173	0.146971322	0.553281815	0.160184611	0.261242108			
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.017903228	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0	0.004888026	0	0.003290622	0.014359265			
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.010364601	0	0.286768841	0.175133323	0.656328814	0.22616859	0.364251479			
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.019211853	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0	0.004888026	0	0.0033033	0.014438798			
NORTHERN SIERRA AQMD	2033	LHDT1	GAS	Aggregate	2,501.24	74,208.56	37,264.78	0.043354336	0.385244793	0.120009572	0.233220792	2.399741895	0.025987946	0.06689225			
NORTHERN SIERRA AQMD	2033	LHDT1	DSL	Aggregate	2,473.67	70,909.33	31,115.69	0.177906771	0.109759705	0	0	0	0	0			
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.01156009	0.357693525	0.079787672	0.098278255	0.592259385	0.014038843	0.030122052			
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	0.159372784	0.109759705	0	0	0	0	0			
LDT1, LDT2, LHDT1, & LHDT2 Composite								0.0213	0.0286	0.1990	0.1473	0.7645	0.1817	0.2948	0.032816	0.053231	1.1968
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.003365517	0	0.136108916	0.072943363	0.194477354	0.071689424	0.12008348			
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.008515467	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0	0.004888026	0	0.003297395	0.014390785			
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.007700031	0	0.205742173	0.146971322	0.553281815	0.160184611	0.261242108			
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.017903228	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0	0.004888026	0	0.003290622	0.014359265			
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.010364601	0	0.286768841	0.175133323	0.656328814	0.22616859	0.364251479			
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.019211853	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0	0.004888026	0	0.0033033	0.014438798			
LDA, LDT1, LDT2 Composite								0.0055	0.0000	0.1766	0.1037	0.3411	0.1202	0.1969	0.026354	0.043168	0.6909

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 NOx

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	NOx_RUNEX (g/mile)	NOx_IDLEX (g/vehicle/day)	NOx_STREX (g/trip)
NORTHERN SIERRA AQMD	2033	HHDT	DSL	Aggregate	2,069.31	267,737.09	21,903.89 HHDT	2.332526943 2.3325	82.79200267 82.7920	2.611957153 2.6120
NORTHERN SIERRA AQMD	2033	MHDT	DSL	Aggregate	937.23	49,520.20	8,122.53 MHDT	1.966205861 1.9662	5.227815783 5.2278	2.140617791 2.1406
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.03809257	0	0.190298289
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.031159479	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.056907979	0	0.250061324
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.047946394	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
NORTHERN SIERRA AQMD	2033	LHDT1	GAS	Aggregate	2,501.24	74,208.56	37,264.78	0.260308048	0.033710596	0.488624802
NORTHERN SIERRA AQMD	2033	LHDT1	DSL	Aggregate	2,473.67	70,909.33	31,115.69	2.043448528	2.013588252	0
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.1028083	0.03115751	0.424256646
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	1.344093429	1.917622192	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.1728	0.1366	0.2320
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.021937616	0	0.142648674
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.023140174	0	0
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.03809257	0	0.190298289
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.031159479	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.056907979	0	0.250061324
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.047946394	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
							LDA, LDT1, LDT2 Composite	0.0314	0.0000	0.1690

Operation Mobile Source Emissions Factors - EMFAC2017 CO

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CO_RUNEX (g/mile)	CO_IDLEX (g/vehicle/day)	CO_STREX (g/trip)
NORTHERN SIERRA AQMD	2033	HHDT	DSL	Aggregate	2,069.31	267,737.09	21,903.89	0.219467571	101.975869	0
							HHDT	0.2195	101.9759	0.0000
NORTHERN SIERRA AQMD	2033	MHDT	DSL	Aggregate	937.23	49,520.20	8,122.53	0.140832673	2.674749218	0
							MHDT	0.1408	2.6747	0.0000
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.581605813	0	2.212103429
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.200644818	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.69654723	0	2.827092865
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.208974877	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
NORTHERN SIERRA AQMD	2033	LHDT1	GAS	Aggregate	2,501.24	74,208.56	37,264.78	0.829709171	3.730723856	2.026482139
NORTHERN SIERRA AQMD	2033	LHDT1	DSL	Aggregate	2,473.67	70,909.33	31,115.69	0.879030486	0.909745076	0
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.228634894	3.776925686	1.566500497
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	0.797444725	0.909745076	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.6718	0.2684	2.1135
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.436133236	0	1.960722774
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.221575706	0	0
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.581605813	0	2.212103429
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.200644818	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.69654723	0	2.827092865
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.208974877	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
							LDA, LDT1, LDT2 Composite	0.4943	0.0000	2.1219

Operation Mobile Source Emissions Factors - EMFAC2017 SO2

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	SO2_RUNEX (g/mile)	SO2_IDLEX (g/vehicle/day)	SO2_STREX (g/trip)
NORTHERN SIERRA AQMD	2033	HHDT	DSL	Aggregate	2,069.31	267,737.09	21,903.89	0.010330505	0.132416525	0
							HHDT	0.0103	0.1324	0.0000
NORTHERN SIERRA AQMD	2033	MHDT	DSL	Aggregate	937.23	49,520.20	8,122.53	0.008733128	0.007547001	0
							MHDT	0.0087	0.0075	0.0000
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.00256488	0	0.000544538
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.00318813	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.002681552	0	0.000593594
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.002206162	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
NORTHERN SIERRA AQMD	2033	LHDT1	GAS	Aggregate	2,501.24	74,208.56	37,264.78	0.009121665	0.001133379	0.000182787
NORTHERN SIERRA AQMD	2033	LHDT1	DSL	Aggregate	2,473.67	70,909.33	31,115.69	0.004928732	0.001236975	0
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.010102385	0.001258264	0.000195996
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	0.005463041	0.001956622	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.0031	0.0002	0.0004
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.002068652	0	0.000432156
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.00158324	0	0
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.00256488	0	0.000544538
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.00318813	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.002681552	0	0.000593594
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.002206162	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
							LDA, LDT1, LDT2 Composite	0.0022	0.0000	0.0005

Operation Mobile Source Emissions Factors - EMFAC2017 PM10

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW	PM10_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/mile)	(g/mile)	(g/mile)
NORTHERN SIERRA AQMD	2033	HHDT	DSL	Aggregate	2,069.31	267,737.09	21,903.89	0.024641052	0.03200352	0	0.035570008	0.061002563	
							HHDT	0.0246	0.0320	0.0000	0.0356	0.0610	0.121214
NORTHERN SIERRA AQMD	2033	MHDT	DSL	Aggregate	937.23	49,520.20	8,122.53	0.010057057	0.00289587	0	0.012000003	0.130340037	
							MHDT	0.0101	0.0029	0.0000	0.0120	0.1303	0.152397
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.001114608	0	0.00145373	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.004676723	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.001091484	0	0.001447973	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.004960015	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LHDT1	GAS	Aggregate	2,501.24	74,208.56	37,264.78	0.002787669	0	0.000494915	0.008000002	0.076440022	
NORTHERN SIERRA AQMD	2033	LHDT1	DSL	Aggregate	2,473.67	70,909.33	31,115.69	0.026855851	0.026881185	0	0.012000003	0.076440022	
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.002077261	0	0.000311837	0.008000002	0.089180026	
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	0.026712014	0.027614263	0	0.012000003	0.089180026	
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.0028	0.0018	0.0010	0.0082	0.0415	0.052528
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.000904915	0	0.001210525	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.002015037	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.001114608	0	0.00145373	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.004676723	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.001091484	0	0.001447973	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.004960015	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0	0.008000002	0.036750011	
							LDA, LDT1, LDT2 Composite	0.0010	0.0000	0.0012	0.0080	0.0368	0.045700

Operation Mobile Source Emissions Factors - EMFAC2017 PM2.5

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	PM2.5_RUNEX	PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW	PM2.5_Combined Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/mile)	(g/mile)	(g/mile)
NORTHERN SIERRA AQMD	2033	HHDT	DSL	Aggregate	2,069.31	267,737.09	21,903.89 HHDT	0.023575091 0.0236	0.030619061 0.0306	0 0.0000	0.008892502 0.0089	0.026143956 0.0261	0.058612
NORTHERN SIERRA AQMD	2033	MHDT	DSL	Aggregate	937.23	49,520.20	8,122.53 MHDT	0.009621994 0.0096	0.002770596 0.0028	0 0.0000	0.003000001 0.0030	0.055860016 0.0559	0.068482
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.001024841	0	0.001336651	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.00447441	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.001003579	0	0.001331358	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.004745447	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LHDT1	GAS	Aggregate	2,501.24	74,208.56	37,264.78	0.002563159	0	0.000455056	0.002000001	0.032760009	
NORTHERN SIERRA AQMD	2033	LHDT1	DSL	Aggregate	2,473.67	70,909.33	31,115.69	0.025694079	0.025718317	0	0.003000001	0.032760009	
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.001909965	0	0.000286723	0.002000001	0.038220011	
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	0.025556464	0.026419682	0	0.003000001	0.038220011	
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.0026	0.0018	0.0010	0.0021	0.0178	0.022459
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.000832036	0	0.001113033	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.001927868	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.001024841	0	0.001336651	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.00447441	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.001003579	0	0.001331358	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.004745447	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0	0.002000001	0.015750005	
							LDA, LDT1, LDT2 Composite	0.0009	0.0000	0.0011	0.0020	0.0158	0.018624

Operation Mobile Source Emissions Factors - EMFAC2017 CO2

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX
								(g/mile)	(g/vehicle/day)	(g/trip)
NORTHERN SIERRA AQMD	2033	HHDT	DSL	Aggregate	2,069.31	267,737.09	21,903.89	1093.463968	14016.03247	0
HHDT								1093.4640	14016.0325	0.0000
NORTHERN SIERRA AQMD	2033	MHDT	DSL	Aggregate	937.23	49,520.20	8,122.53	924.3846531	798.8354491	0
MHDT								924.3847	798.8354	0.0000
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	259.1884862	0	55.02715548
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	337.2399132	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	270.9784765	0	59.98432949
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	233.3675013	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
NORTHERN SIERRA AQMD	2033	LHDT1	GAS	Aggregate	2,501.24	74,208.56	37,264.78	921.7703467	114.5312005	18.47111064
NORTHERN SIERRA AQMD	2033	LHDT1	DSL	Aggregate	2,473.67	70,909.33	31,115.69	521.360531	130.8469884	0
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	1020.874951	127.1511595	19.8059335
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	577.8796721	206.9711469	0
LDT1, LDT2, LHDT1, & LHDT2 Composite								313.6979	16.5655	42.5087
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	209.0431707	0	43.67062153
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	167.474885	0	0
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	259.1884862	0	55.02715548
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	337.2399132	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	270.9784765	0	59.98432949
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	233.3675013	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
LDA, LDT1, LDT2 Composite								219.8477	0.0000	46.8784

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 CH4

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CH4_RUNEX (g/mile)	CH4_IDLEX (g/vehicle/day)	CH4_STREX (g/trip)
NORTHERN SIERRA AQMD	2033	HHDT	DSL	Aggregate	2,069.31	267,737.09	21,903.89 HHDT	0.001056017 0.0011	0.32139152 0.3214	0 0.0000
NORTHERN SIERRA AQMD	2033	MHDT	DSL	Aggregate	937.23	49,520.20	8,122.53 MHDT	0.000715131 0.0007	0.003263662 0.0033	0 0.0000
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.001958585	0	0.045255831
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.000831571	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.002556566	0	0.060288351
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.000892354	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
NORTHERN SIERRA AQMD	2033	LHDT1	GAS	Aggregate	2,501.24	74,208.56	37,264.78	0.009494199	0.104387498	0.023012836
NORTHERN SIERRA AQMD	2033	LHDT1	DSL	Aggregate	2,473.67	70,909.33	31,115.69	0.008263429	0.005098128	0
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.003122782	0.104107617	0.016806897
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	0.007402561	0.005098128	0
				LDT1, LDT2, LHDT1, & LHDT2 Composite				0.0031	0.0061	0.0418
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.001014519	0	0.032444158
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.000395527	0	0
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.001958585	0	0.045255831
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.000831571	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.002556566	0	0.060288351
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.000892354	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
				LDA, LDT1, LDT2 Composite				0.0014	0.0000	0.0395

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Operation Mobile Source Emissions Factors - EMFAC2017 N2O

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	N2O_RUNEX (g/mile)	N2O_IDLEX (g/vehicle/day)	N2O_STREX (g/trip)
NORTHERN SIERRA AQMD	2033	HHDT	DSL	Aggregate	2,069.31	267,737.09	21,903.89 HHDT	0.171877308 0.1719	2.20312512 2.2031	0 0.0000
NORTHERN SIERRA AQMD	2033	MHDT	DSL	Aggregate	937.23	49,520.20	8,122.53 MHDT	0.145300395 0.1453	0.125565808 0.1256	0 0.0000
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.004409081	0	0.025455269
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.053009418	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.005172688	0	0.028529558
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.036682121	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
NORTHERN SIERRA AQMD	2033	LHDT1	GAS	Aggregate	2,501.24	74,208.56	37,264.78	0.01431558	0.002662654	0.03648245
NORTHERN SIERRA AQMD	2033	LHDT1	DSL	Aggregate	2,473.67	70,909.33	31,115.69	0.081950615	0.020567324	0
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.007833819	0.002768715	0.03580349
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	0.090834637	0.032532982	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.0104	0.0017	0.0242
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.003347589	0	0.021589601
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.02632472	0	0
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.004409081	0	0.025455269
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.053009418	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.005172688	0	0.028529558
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.036682121	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
							LDA, LDT1, LDT2 Composite	0.0040	0.0000	0.0227

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Paved Road Fugitive Emissions - Operation Mobile Sources

Equation:

$$E = k \times (sL/2)^{0.91} \times (W)1.02 \text{ [maximum day]}$$

Where:

		Units
k	particle size multiplier (PM ₁₀)	0.00220 lb/VMT
k	particle size multiplier (PM _{2.5})	0.00054 lb/VMT
sL	silt loading (high ADT roads)	0.1 g/m ²
sL	silt loading (low ADT roads)	0.4 g/m ²
W	average weight (tons) of the vehicle traveling the road	2.4 tons

Notes/References:

k = Emission factors from CalEEMod2020.4.0 per AP-42, Section 13.2.1 (Paved Roads).

sL = silt loading per AP-42, Section 13.2.1 (Paved Roads).

W = Average vehicle weight from CalEEMod2020.4.0, consistent with the statewide average vehicle weight used in CARB's Entrained Road Travel, Paved Road Dust, 2016 Update.

For daily emissions it is assumed to have no precipitation.

Per AP-42, Section 13.2.1 (Paved Roads): The above equation calls for the average weight of all vehicles traveling the road. For example, if 99 percent of traffic on the road are 2 ton cars/trucks while the remaining 1 percent consists of 20 ton trucks, then the mean weight "W" is 2.2 tons. More specifically, the above equation is not intended to be used to calculate a separate emission factor for each vehicle weight class. Instead, only one emission factor should be calculated to represent the "fleet" average weight of all vehicles traveling the road.

Emission Factors	PM10 Paved Road (lb/VMT)	PM2.5 Paved Road (lb/VMT)	PM10 Paved Road (g/VMT)	PM2.5 Paved Road (g/VMT)
All Vehicles - High ADT Roads	0.0007	0.0002	0.2998	0.0736
All Vehicles - Low ADT Roads	0.0023	0.0006	1.0587	0.2599

On-Road Vehicles - 2033
OnSite

2033 Operation Mobile Source Assumptions Summary

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.52	200	104	36,500	18,980
Onsite-Only Soil Haul Trucks	HHDT	0.10	24	2.28	8,760	832
Freight Trucks	HHDT	0.26	6	2	312	81
Concentrate Trucks	HHDT	0.26	10	3	728	189
Explosives Trucks	HHDT	0.26	2	1	104	27
Fuel Trucks	MHDT	0.26	6	2	108	28
Cement Trucks	MHDT	0.26	4	1	936	243
Onsite-Only Water Trucks	MHDT	0.44	8	3.52	2,920	1,285
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	0.26	8	2	2,184	568
Onsite-Only Light-Duty Trucks	LHDT2	0.19	24	5	8,760	1,664
Employees	LDA, LDT1 & LDT2 Composite	0.12	356	43	120,788	14,495

Subtotal

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.52	200	104	36,500	18,980
Onsite-Only Soil Haul Trucks	HHDT	0	0	0	0	0
Freight Trucks	HHDT	0.26	6	2	312	81
Concentrate Trucks	HHDT	0.26	10	3	728	189
Explosives Trucks	HHDT	0.26	2	1	104	27
Fuel Trucks	MHDT	0.26	6	2	108	28
Cement Delivery	MHDT	0.26	4	1	936	243
Onsite-Only Water Trucks	MHDT	0	0	0	0	0
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	0.26	8	2	2,184	568
Onsite-Only Light-Duty Trucks	LHDT2	0	0	0	0	0
Employees	LDA, LDT1 & LDT2 Composite	0.12	356	43	120,788	14,495
Onsite-Only Forklifts				60		21,900
Onsite-Only Wheel Loader		0.05	150	8		2,738

Subtotal

Project Vehicle	EMFAC Class	Max Daily Trips (trips/day)	Annual Trips (trips/year)
Haul Trucks	HHDT	100	18,250
Onsite-Only Soil Haul Trucks	HHDT	24	8,760
Freight Trucks	HHDT	3	156
Concentrate Trucks	HHDT	5	364
Explosives Trucks	HHDT	1	52
Fuel Trucks	MHDT	3	54
Cement Delivery	MHDT	2	468
Onsite-Only Water Trucks	MHDT	8	2,920
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	4	1,092
Onsite-Only Light-Duty Trucks	LHDT2	24	8,760
Employees	LDA, LDT1 & LDT2 Composite	178	60,394

Subtotal

2033 Operation Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.01	0.53	0.05	0.00	0.03	0.01	250.71	0.00	0.04	262.46
0.00	0.01	0.00	0.00	0.00	0.00	5.50	0.00	0.00	5.75
0.00	0.01	0.00	0.00	0.00	0.00	3.76	0.00	0.00	3.94
0.00	0.01	0.00	0.00	0.00	0.00	6.27	0.00	0.00	6.56
0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.00	0.00	1.31
0.00	0.01	0.00	0.00	0.00	0.00	3.18	0.00	0.00	3.33
0.00	0.00	0.00	0.00	0.00	0.00	2.12	0.00	0.00	2.22
0.00	0.00	0.01	0.00	0.00	0.00	2.43	0.00	0.00	2.46
0.00	0.00	0.00	0.00	0.00	0.00	1.44	0.00	0.00	1.45
0.00	0.00	0.00	0.00	0.00	0.00	2.21	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	20.71	0.00	0.00	20.82
0.01	0.59	0.06	0.00	0.04	0.02	299.58	0.00	0.04	310.31

PM10	PM2.5
Paved Road - PM only	
1.21	0.30
0.00	0.00
0.02	0.00
0.03	0.01
0.01	0.00
0.02	0.00
0.01	0.00
0.00	0.00
0.02	0.01
0.00	0.00
0.50	0.12
0.70	0.17
0.09	0.02
2.60	0.64

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.01	0.00	0.02	0.00	0.00	0.00	0.37	0.00	0.00	0.45
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.27	0.07	0.83	0.00	0.00	0.00	18.40	0.02	0.01	21.44
0.28	0.90	0.85	0.00	0.00	0.00	18.77	0.02	0.01	21.89

Project Vehicle	EMFAC Class	Idling		ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
		Idling Minutes per Day (min/day)	Minutes per Year (min/year)										
Haul Trucks	HHDT	500	91,250	0.07	0.83	1.03	0.00	0.00	0.00	141.23	0.00	0.02	147.92
Onsite-Only Soil Haul Trucks	HHDT	120	43,800	0.02	0.20	0.25	0.00	0.00	0.00	33.89	0.00	0.01	0.00
Freight Trucks	HHDT	15	780	0.00	0.03	0.03	0.00	0.00	0.00	4.24	0.00	0.00	4.44
Concentrate Trucks	HHDT	25	1,820	0.00	0.04	0.05	0.00	0.00	0.00	7.06	0.00	0.00	7.40
Explosives Trucks	HHDT	5	260	0.00	0.01	0.01	0.00	0.00	0.00	1.41	0.00	0.00	1.48
Fuel Trucks	MHDT	15	270	0.00	0.03	0.02	0.00	0.00	0.00	4.51	0.00	0.00	4.72
Cement Delivery	MHDT	10	2,340	0.00	0.02	0.01	0.00	0.00	0.00	3.01	0.00	0.00	3.15
Onsite-Only Water Trucks	MHDT	40	14,600	0.00	0.08	0.04	0.00	0.00	0.00	12.02	0.00	0.00	12.59
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	20	5,460	0.00	0.00	0.01	0.00	0.00	0.00	0.41	0.00	0.00	0.43
Onsite-Only Light-Duty Trucks	LHDT2	120	43,800	0.02	0.27	0.13	0.00	0.00	0.00	29.28	0.00	0.00	30.67
Subtotal				0.11	1.51	1.57	0.00	0.00	0.00	237.06	0.01	0.04	212.79
TOTAL				0.40	2.99	2.48	0.01	2.64	0.66	555.40	0.02	0.09	544.98

2033 Operation Mobile Source Assumptions Summary

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.52	200	104	36,500	18,980
Onsite-Only Soil Haul Trucks	HHDT	0.10	24	2.28	8,760	832
Freight Trucks	HHDT	0.26	6	2	312	81
Concentrate Trucks	HHDT	0.26	10	3	728	189
Explosives Trucks	HHDT	0.26	2	1	104	27
Fuel Trucks	MHDT	0.26	6	2	108	28
Cement Trucks	MHDT	0.26	4	1	936	243
Onsite-Only Water Trucks	MHDT	0.44	8	3.52	2,920	1,285
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	0.26	8	2	2,184	568
Onsite-Only Light-Duty Trucks	LHDT2	0.19	24	5	8,760	1,664
Employees	LDA, LDT1 & LDT2 Composite	0.12	356	43	120,788	14,495

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	0.52	200	104	36,500	18,980
Onsite-Only Soil Haul Trucks	HHDT	0	0	0	0	0
Freight Trucks	HHDT	0.26	6	2	312	81
Concentrate Trucks	HHDT	0.26	10	3	728	189
Explosives Trucks	HHDT	0.26	2	1	104	27
Fuel Trucks	MHDT	0.26	6	2	108	28
Cement Delivery	MHDT	0.26	4	1	936	243
Onsite-Only Water Trucks	MHDT	0	0	0	0	0
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	0.26	8	2	2,184	568
Onsite-Only Light-Duty Trucks	LHDT2	0	0	0	0	0
Employees	LDA, LDT1 & LDT2 Composite	0.12	356	43	120,788	14,495
Onsite-Only Forklifts				60		21,900
Onsite-Only Wheel Loader		0.05	150	8		2,738

Project Vehicle	EMFAC Class	Max Daily Trips (trips/day)	Annual Trips (trips/year)
Haul Trucks	HHDT	100	18,250
Onsite-Only Soil Haul Trucks	HHDT	24	8,760
Freight Trucks	HHDT	3	156
Concentrate Trucks	HHDT	5	364
Explosives Trucks	HHDT	1	52
Fuel Trucks	MHDT	3	54
Cement Delivery	MHDT	2	468
Onsite-Only Water Trucks	MHDT	8	2,920
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	4	1,092
Onsite-Only Light-Duty Trucks	LHDT2	24	8,760
Employees	LDA, LDT1 & LDT2 Composite	178	60,394

2033 Operation Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual										
(Tons/Year)						(Metric Tons/Year)				
ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
Running Exhaust, Tire Wear, and Break Wear										
0.00	0.05	0.00	0.00	0.00	0.00	0.00	20.75	0.00	0.00	21.73
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.00	0.00	0.95
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.09
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.22
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.24
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.41
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.18
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.37
0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.19	0.00	0.00	3.20
0.00	0.05	0.01	0.00	0.00	0.00	0.00	26.37	0.00	0.00	27.44

PM10	PM2.5
Paved Road - PM only	
0.11	0.03
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.08	0.02
0.13	0.03
0.02	0.00
0.20	0.05

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.06
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.05	0.01	0.14	0.00	0.00	0.00	0.00	2.83	0.00	3.30
0.05	0.10	0.14	0.00	0.00	0.00	0.00	2.88	0.00	3.36

Project Vehicle	EMFAC Class	Idling		ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
		Idling Minutes per Day (min/day)	Minutes per Year (min/year)										
Haul Trucks	HHDT	500	91,250	0.01	0.08	0.09	0.00	0.00	0.00	0.00	11.69	0.00	0.00
Onsite-Only Soil Haul Trucks	HHDT	120	43,800	0.00	0.04	0.05	0.00	0.00	0.00	0.00	5.61	0.00	0.00
Freight Trucks	HHDT	15	780	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.10
Concentrate Trucks	HHDT	25	1,820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.24
Explosives Trucks	HHDT	5	260	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.03
Fuel Trucks	MHDT	15	270	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.04
Cement Delivery	MHDT	10	2,340	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.33
Onsite-Only Water Trucks	MHDT	40	14,600	0.00	0.01	0.01	0.00	0.00	0.00	0.00	1.99	0.00	2.08
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	20	5,460	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05
Onsite-Only Light-Duty Trucks	LHDT2	120	43,800	0.00	0.05	0.02	0.00	0.00	0.00	0.00	4.85	0.00	5.08
Subtotal				0.01	0.18	0.17	0.00	0.00	0.00	0.00	24.91	0.00	26.09
TOTAL				0.06	0.33	0.32	0.00	0.21	0.05	54.16	0.00	0.01	56.89

Pound/year Pound/hour
Asbestos 0.040242607 4.5939E-06
Silica 241.4556424 0.027563429

Note: Assumes 0.01% asbestos and 60% silica content in fugitive dust.

2033 Operation Mobile Source Emissions Factors - EMFAC2017

Emission Factors: Summary

Project Vehicle	Vehicle Classes	Fuel	Speed	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
				Running Exhaust, Tire Wear, and Break Wear (grams/mile)								
Haul Trucks	HHDT	Diesel	Aggregate	0.023	2.333	0.219	0.010	0.121	0.059	1,093.464	0.001	0.172
Onsite-Only Soil Haul Trucks	HHDT	Diesel	Aggregate	0.023	2.333	0.219	0.010	0.121	0.059	1,093.464	0.001	0.172
Freight Trucks	HHDT	Diesel	Aggregate	0.023	2.333	0.219	0.010	0.121	0.059	1,093.464	0.001	0.172
Concentrate Trucks	HHDT	Diesel	Aggregate	0.023	2.333	0.219	0.010	0.121	0.059	1,093.464	0.001	0.172
Explosives Trucks	HHDT	Diesel	Aggregate	0.023	2.333	0.219	0.010	0.121	0.059	1,093.464	0.001	0.172
Fuel Trucks	MHDT	Diesel	Aggregate	0.015	1.966	0.141	0.009	0.152	0.068	924.385	0.001	0.145
Cement Trucks	MHDT	Diesel	Aggregate	0.015	1.966	0.141	0.009	0.152	0.068	924.385	0.001	0.145
Onsite-Only Water Trucks	MHDT	Diesel	5 mph	0.067	7.561	0.837	0.020	0.150	0.066	2,097.479	0.003	0.330
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	Gas, Diesel (Aggregate)	Aggregate	0.021	0.173	0.672	0.003	0.053	0.022	313.698	0.003	0.010
Onsite-Only Light-Duty Trucks	LHDT2	Diesel	Aggregate	0.159	1.344	0.797	0.005	0.128	0.067	577.880	0.007	0.091
Employees	LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (Aggregate)	Aggregate	0.005	0.031	0.000	0.002	0.046	0.019	219.848	0.001	0.004

Project Vehicle	Vehicle Classes	PM10	PM2.5
		Paved Road - PM Only (grams/mile)	
Haul Trucks	HHDT	5.274	1.295
Onsite-Only Soil Haul Trucks	HHDT	5.274	1.295
Freight Trucks	HHDT	5.274	1.295
Concentrate Trucks	HHDT	5.274	1.295
Explosives Trucks	HHDT	5.274	1.295
Fuel Trucks	MHDT	5.274	1.295
Cement Trucks	MHDT	5.274	1.295
Onsite-Only Water Trucks	MHDT	5.274	1.295
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	5.274	1.295
Onsite-Only Light-Duty Trucks	LHDT2	5.274	1.295
Employees	LDA, LDT1 & LDT2 Composite	5.274	1.295
Onsite-Only Forklifts	N/A (Offroad)	5.274	1.295
Onsite-Only Wheel Loader	N/A (Offroad)	5.274	1.295

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap (grams/trip)								
Haul Trucks	HHDT	Diesel	0.000	2.612	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Onsite-Only Soil Haul Trucks	HHDT	Diesel	0.000	2.612	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Freight Trucks	HHDT	Diesel	0.000	2.612	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Concentrate Trucks	HHDT	Diesel	0.000	2.612	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Explosives Trucks	HHDT	Diesel	0.000	2.612	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel Trucks	MHDT	Diesel	0.000	2.141	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cement Trucks	MHDT	Diesel	0.000	2.141	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Onsite-Only Water Trucks	MHDT	Diesel	0.000	2.141	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	Gas, Diesel (Aggregate)	1.197	0.232	2.113	0.000	0.001	0.001	42.509	0.042	0.024
Onsite-Only Light-Duty Trucks	LHDT2	Diesel	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Employees	LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (Aggregate)	0.691	0.169	2.122	0.000	0.001	0.000	46.878	0.040	0.023

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Idling (grams/Idle-min/vehicle)								
Haul Trucks	HHDT	Diesel	0.063	0.757	0.932	0.001	0.000	0.000	128.117	0.003	0.020
Onsite-Only Soil Haul Trucks	HHDT	Diesel	0.063	0.757	0.932	0.001	0.000	0.000	128.117	0.003	0.020
Freight Trucks	HHDT	Diesel	0.063	0.757	0.932	0.001	0.000	0.000	128.117	0.003	0.020
Concentrate Trucks	HHDT	Diesel	0.063	0.757	0.932	0.001	0.000	0.000	128.117	0.003	0.020
Explosives Trucks	HHDT	Diesel	0.063	0.757	0.932	0.001	0.000	0.000	128.117	0.003	0.020
Fuel Trucks	MHDT	Diesel	0.012	0.892	0.456	0.001	0.000	0.000	136.320	0.001	0.021
Cement Trucks	MHDT	Diesel	0.012	0.892	0.456	0.001	0.000	0.000	136.320	0.001	0.021
Onsite-Only Water Trucks	MHDT	Diesel	0.012	0.892	0.456	0.001	0.000	0.000	136.320	0.001	0.021
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	Gas, Diesel (Aggregate)	0.016	0.077	0.153	0.000	0.001	0.001	9.357	0.003	0.001

Operation Mobile Source Emissions Factors - EMFAC2017 ROG

								STEX HOTSOAK RUNLOSS ROG RESTLOSS									
Region	CalYr	VehClass	Fuel	Speed	Population	VTM	Trips	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_RESTLOSS	ROG_DIURN	ROG_RESTLOSS - Calculated	ROG_DIURN - Calculated	DIURN_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)	(g/vehicle/day)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)
NORTHERN SIERRA AQMD	2033	HHDT	DSL	Aggregate	2,069.31	267,737.09	21,903.89 HHDT (Agg)	0.022735765 0.0227	6.919471292 6.9195	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	-	-	0.0000
NORTHERN SIERRA AQMD	2033	MHDT	DSL	Aggregate	937.23	49,520.20	8,122.53 MHDT	0.015396582 0.0154	0.070265746 0.0703	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	-	-	0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,388.23	MHDT (5 mph)	0.067010835 0.0670									
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.007700031	0	0.205742173	0.146971322	0.553281815	0.160184611	0.261242108			
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.017903228	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0	0.004888026	0	0.003290622	0.014359265			
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.010364601	0	0.286768841	0.175133323	0.656328814	0.22616859	0.364251479			
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.019211853	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0	0.004888026	0	0.0033033	0.014438798			
NORTHERN SIERRA AQMD	2033	LHDT1	GAS	Aggregate	2,501.24	74,208.56	37,264.78	0.043354336	0.385244793	0.120009572	0.233220792	2.399741895	0.025987946	0.06689225			
NORTHERN SIERRA AQMD	2033	LHDT1	DSL	Aggregate	2,473.67	70,909.33	31,115.69	0.177906771	0.109759705	0	0	0	0	0			
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.01156009	0.357693525	0.079787672	0.098278255	0.592259385	0.014038843	0.030122052			
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83 LDT1, LDT2, LHDT1, & LHDT2 Composite	0.159372784 0.0213	0.109759705 0.0286	0 0.1990	0 0.1473	0 0.7645	0 0.1817	0 0.2948	0.032816	0.053231	1.1968
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83 LHDT2	0.159372784 0.1594	0.109759705 0.1098	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	-	-	0.0000
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.003365517	0	0.136108916	0.072943363	0.194477354	0.071689424	0.12008348			
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.008515467	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0	0.004888026	0	0.003297395	0.014390785			
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.007700031	0	0.205742173	0.146971322	0.553281815	0.160184611	0.261242108			
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.017903228	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0	0.004888026	0	0.003290622	0.014359265			
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.010364601	0	0.286768841	0.175133323	0.656328814	0.22616859	0.364251479			
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.019211853	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86 LDA, LDT1, LDT2 Composite	0 0.0055	0 0.0000	0 0.1766	0.004888026 0.1037	0 0.3411	0.0033033 0.1202	0.014438798 0.1969	0.026354	0.043168	0.6909

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 NOx

Region	CalYr	VehClass	Fuel	Speed	Population	VTM	Trips	NOx_RUNEX (g/mile)	NOx_IDLEX (g/vehicle/day)	NOx_STREX (g/trip)
NORTHERN SIERRA AQMD	2033	HHDT	DSL	Aggregate	2,069.31	267,737.09	21,903.89 HHDT (Agg)	2.332526943 2.3325	82.79200267 82.7920	2.611957153 2.6120
NORTHERN SIERRA AQMD	2033	MHDT	DSL	Aggregate	937.23	49,520.20	8,122.53 MHDT	1.966205861 1.9662	5.227815783 5.2278	2.140617791 2.1406
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,388.23	MHDT (5 mph)	7.561475081 7.5615		
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.03809257	0	0.190298289
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.031159479	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.056907979	0	0.250061324
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.047946394	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
NORTHERN SIERRA AQMD	2033	LHDT1	GAS	Aggregate	2,501.24	74,208.56	37,264.78	0.260308048	0.033710596	0.488624802
NORTHERN SIERRA AQMD	2033	LHDT1	DSL	Aggregate	2,473.67	70,909.33	31,115.69	2.043448528	2.013588252	0
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.1028083	0.03115751	0.424256646
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	1.344093429	1.917622192	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.1728	0.1366	0.2320
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83 LHDT2	1.344093429 1.3441	1.917622192 1.9176	0 0.0000
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.021937616	0	0.142648674
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.023140174	0	0
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.03809257	0	0.190298289
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.031159479	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.056907979	0	0.250061324
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.047946394	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
							LDA, LDT1, LDT2 Composite	0.0314	0.0000	0.1690

Operation Mobile Source Emissions Factors - EMFAC2017 CO

Region	CalYr	VehClass	Fuel	Speed	Population	VTM	Trips	CO_RUNEX (g/mile)	CO_IDLEX (g/vehicle/day)	CO_STREX (g/trip)
NORTHERN SIERRA AQMD	2033	HHDT	DSL	Aggregate	2,069.31	267,737.09	21,903.89 HHDT (Agg)	0.219467571 0.2195	101.975869 101.9759	0 0.0000
NORTHERN SIERRA AQMD	2033	MHDT	DSL	Aggregate	937.23	49,520.20	8,122.53 MHDT	0.140832673 0.1408	2.674749218 2.6747	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,388.23	MHDT (5 mph)	0.836565705 0.8366		
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.581605813	0	2.212103429
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.200644818	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.69654723	0	2.827092865
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.208974877	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
NORTHERN SIERRA AQMD	2033	LHDT1	GAS	Aggregate	2,501.24	74,208.56	37,264.78	0.829709171	3.730723856	2.026482139
NORTHERN SIERRA AQMD	2033	LHDT1	DSL	Aggregate	2,473.67	70,909.33	31,115.69	0.879030486	0.909745076	0
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.228634894	3.776925686	1.566500497
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	0.797444725	0.909745076	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.6718	0.2684	2.1135
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83 LHDT2	0.797444725 0.7974	0.909745076 0.9097	0 0.0000
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.436133236	0	1.960722774
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.221575706	0	0
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.581605813	0	2.212103429
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.200644818	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.69654723	0	2.827092865
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.208974877	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
							LDA, LDT1, LDT2 Composite	0.4943	0.0000	2.1219

Operation Mobile Source Emissions Factors - EMFAC2017 SO2

Region	CalYr	VehClass	Fuel	Speed	Population	VTM	Trips	SO2_RUNEX (g/mile)	SO2_IDLEX (g/vehicle/day)	SO2_STREX (g/trip)
NORTHERN SIERRA AQMD	2033	HHDT	DSL	Aggregate	2,069.31	267,737.09	21,903.89 HHDT (Agg)	0.010330505 0.0103	0.132416525 0.1324	0 0.0000
NORTHERN SIERRA AQMD	2033	MHDT	DSL	Aggregate	937.23	49,520.20	8,122.53 MHDT	0.008733128 0.0087	0.007547001 0.0075	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,388.23	MHDT (5 mph)	0.019815946 0.0198		
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.00256488	0	0.000544538
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.00318813	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.002681552	0	0.000593594
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.002206162	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
NORTHERN SIERRA AQMD	2033	LHDT1	GAS	Aggregate	2,501.24	74,208.56	37,264.78	0.009121665	0.001133379	0.000182787
NORTHERN SIERRA AQMD	2033	LHDT1	DSL	Aggregate	2,473.67	70,909.33	31,115.69	0.004928732	0.001236975	0
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.010102385	0.001258264	0.000195996
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	0.005463041	0.001956622	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.0031	0.0002	0.0004
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83 LHDT2	0.005463041 0.0055	0.001956622 0.0020	0 0.0000
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.002068652	0	0.000432156
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.00158324	0	0
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.00256488	0	0.000544538
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.00318813	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.002681552	0	0.000593594
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.002206162	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
							LDA, LDT1, LDT2 Composite	0.0022	0.0000	0.0005

Operation Mobile Source Emissions Factors - EMFAC2017 PM10

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW	PM10_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/mile)	(g/mile)	(g/mile)
NORTHERN SIERRA AQMD	2033	HHDT	DSL	Aggregate	2,069.31	267,737.09	21,903.89 HHDT (Agg)	0.024641052 0.0246	0.03200352 0.0320	0 0.0000	0.035570008 0.0356	0.061002563 0.0610	0.121214
NORTHERN SIERRA AQMD	2033	MHDT	DSL	Aggregate	937.23	49,520.20	8,122.53 MHDT	0.010057057 0.0101	0.00289587 0.0029	0 0.0000	0.012000003 0.0120	0.130340037 0.1303	0.152397
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,388.23	MHDT (5 mph)	0.007577319 0.0076	0.0029	0.0000	0.0120	0.1303	0.149917
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.001114608	0	0.00145373	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.004676723	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.001091484	0	0.001447973	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.004960015	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LHDT1	GAS	Aggregate	2,501.24	74,208.56	37,264.78	0.002787669	0	0.000494915	0.008000002	0.076440022	
NORTHERN SIERRA AQMD	2033	LHDT1	DSL	Aggregate	2,473.67	70,909.33	31,115.69	0.026855851	0.026881185	0	0.012000003	0.076440022	
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.002077261	0	0.000311837	0.008000002	0.089180026	
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	0.026712014	0.027614263	0	0.012000003	0.089180026	
				LDT1, LDT2, LHDT1, & LHDT2 Composite				0.0028	0.0018	0.0010	0.0082	0.0415	0.052528
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83 LHDT2	0.026712014 0.0267	0.027614263 0.0276	0 0.0000	0.012000003 0.0120	0.089180026 0.0892	0.127892
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.000904915	0	0.001210525	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.002015037	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.001114608	0	0.00145373	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.004676723	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.001091484	0	0.001447973	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.004960015	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0	0.008000002	0.036750011	
				LDA, LDT1, LDT2 Composite				0.0010	0.0000	0.0012	0.0080	0.0368	0.045700

Operation Mobile Source Emissions Factors - EMFAC2017 PM2.5

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	PM2.5_RUNEX	PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW	PM2.5_Combined Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/mile)	(g/mile)	(g/mile)
NORTHERN SIERRA AQMD	2033	HHDT	DSL	Aggregate	2,069.31	267,737.09	21,903.89 HHDT (Agg)	0.023575091 0.0236	0.030619061 0.0306	0 0.0000	0.008892502 0.0089	0.026143956 0.0261	0.058612
NORTHERN SIERRA AQMD	2033	MHDT	DSL	Aggregate	937.23	49,520.20	8,122.53 MHDT	0.009621994 0.0096	0.002770596 0.0028	0 0.0000	0.003000001 0.0030	0.055860016 0.0559	0.068482
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,388.23	MHDT (5 mph)	0.007249527 0.0073	0.0028	0.0000	0.0030	0.0559	0.066110
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.001024841	0	0.001336651	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.00447441	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.001003579	0	0.001331358	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.004745447	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LHDT1	GAS	Aggregate	2,501.24	74,208.56	37,264.78	0.002563159	0	0.000455056	0.002000001	0.032760009	
NORTHERN SIERRA AQMD	2033	LHDT1	DSL	Aggregate	2,473.67	70,909.33	31,115.69	0.025694079	0.025718317	0	0.003000001	0.032760009	
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.001909965	0	0.000286723	0.002000001	0.038220011	
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	0.025556464	0.026419682	0	0.003000001	0.038220011	
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.0026	0.0018	0.0010	0.0021	0.0178	0.022459
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83 LHDT2	0.025556464 0.0256	0.026419682 0.0264	0 0.0000	0.003000001 0.0030	0.038220011 0.0382	0.066776
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.000832036	0	0.001113033	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.001927868	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.001024841	0	0.001336651	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.00447441	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.001003579	0	0.001331358	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.004745447	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0	0.002000001	0.015750005	
							LDA, LDT1, LDT2 Composite	0.0009	0.0000	0.0011	0.0020	0.0158	0.018624

Operation Mobile Source Emissions Factors - EMFAC2017 CO2

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX
								(g/mile)	(g/vehicle/day)	(g/trip)
NORTHERN SIERRA AQMD	2033	HHDT	DSL	Aggregate	2,069.31	267,737.09	21,903.89 HHDT (Agg)	1093.463968 1093.4640	14016.03247 14016.0325	0 0.0000
NORTHERN SIERRA AQMD	2033	MHDT	DSL	Aggregate	937.23	49,520.20	8,122.53 MHDT	924.3846531 924.3847	798.8354491 798.8354	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,388.23	MHDT (5 mph)	2097.479456 2097.4795		
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	259.1884862	0	55.02715548
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	337.2399132	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	270.9784765	0	59.98432949
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	233.3675013	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
NORTHERN SIERRA AQMD	2033	LHDT1	GAS	Aggregate	2,501.24	74,208.56	37,264.78	921.7703467	114.5312005	18.47111064
NORTHERN SIERRA AQMD	2033	LHDT1	DSL	Aggregate	2,473.67	70,909.33	31,115.69	521.360531	130.8469884	0
NORTHERN SIERRA AQMD	2033	LHDT1	GAS	Aggregate	207.97	7,126.55	3,098.39	1020.874951	127.1511595	19.8059335
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	577.8796721	206.9711469	0
LDT1, LDT2, LHDT1, & LHDT2 Composite								313.6979	16.5655	42.5087
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83 LHDT2	577.8796721 577.8797	206.9711469 206.9711	0 0.0000
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	209.0431707	0	43.67062153
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	167.474885	0	0
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	259.1884862	0	55.02715548
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	337.2399132	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	270.9784765	0	59.98432949
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	233.3675013	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
LDA, LDT1, LDT2 Composite								219.8477	0.0000	46.8784

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Operation Mobile Source Emissions Factors - EMFAC2017 CH4

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CH4_RUNEX (g/mile)	CH4_IDLEX (g/vehicle/day)	CH4_STREX (g/trip)
NORTHERN SIERRA AQMD	2033	HHDT	DSL	Aggregate	2,069.31	267,737.09	21,903.89 HHDT (Agg)	0.001056017 0.0011	0.32139152 0.3214	0 0.0000
NORTHERN SIERRA AQMD	2033	MHDT	DSL	Aggregate	937.23	49,520.20	8,122.53 MHDT	0.000715131 0.0007	0.003263662 0.0033	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,388.23	MHDT (5 mph)	0.00311248 0.0031		
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.001958585	0	0.045255831
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.000831571	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.002556566	0	0.060288351
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.000892354	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
NORTHERN SIERRA AQMD	2033	LHDT1	GAS	Aggregate	2,501.24	74,208.56	37,264.78	0.009494199	0.104387498	0.023012836
NORTHERN SIERRA AQMD	2033	LHDT1	DSL	Aggregate	2,473.67	70,909.33	31,115.69	0.008263429	0.005098128	0
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.003122782	0.104107617	0.016806897
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	0.007402561	0.005098128	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.0031	0.0061	0.0418
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83 LHDT2	0.007402561 0.0074	0.005098128 0.0051	0 0.0000
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.001014519	0	0.032444158
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.000395527	0	0
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.001958585	0	0.045255831
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.000831571	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.002556566	0	0.060288351
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.000892354	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
							LDA, LDT1, LDT2 Composite	0.0014	0.0000	0.0395

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Operation Mobile Source Emissions Factors - EMFAC2017 N2O

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	N2O_RUNEX (g/mile)	N2O_IDLEX (g/vehicle/day)	N2O_STREX (g/trip)
NORTHERN SIERRA AQMD	2033	HHDT	DSL	Aggregate	2,069.31	267,737.09	21,903.89 HHDT (Agg)	0.171877308 0.1719	2.20312512 2.2031	0 0.0000
NORTHERN SIERRA AQMD	2033	MHDT	DSL	Aggregate	937.23	49,520.20	8,122.53 MHDT	0.145300395 0.1453	0.125565808 0.1256	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,388.23	MHDT (5 mph)	0.329694561 0.3297		
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.004409081	0	0.025455269
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.053009418	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.005172688	0	0.028529558
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.036682121	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
NORTHERN SIERRA AQMD	2033	LHDT1	GAS	Aggregate	2,501.24	74,208.56	37,264.78	0.01431558	0.002662654	0.03648245
NORTHERN SIERRA AQMD	2033	LHDT1	DSL	Aggregate	2,473.67	70,909.33	31,115.69	0.081950615	0.020567324	0
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.007833819	0.002768715	0.03580349
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	0.090834637	0.032532982	0
							LDT1, LDT2, LHDT1, & LHDT2 Composite	0.0104	0.0017	0.0242
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83 LHDT2	0.090834637 0.0908	0.032532982 0.0325	0 0.0000
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.003347589	0	0.021589601
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.02632472	0	0
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.004409081	0	0.025455269
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.053009418	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.005172688	0	0.028529558
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.036682121	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
							LDA, LDT1, LDT2 Composite	0.0040	0.0000	0.0227

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Paved Road Fugitive Emissions - Operation Mobile Sources

Equation:

$$E = k \times (sL/2)^{0.91} \times (W)1.02 \text{ [maximum day]}$$

Where:

		Units
k	particle size multiplier (PM ₁₀)	0.00220 lb/VMT
k	particle size multiplier (PM _{2.5})	0.00054 lb/VMT
sL	silt loading	0.6 g/m ²
W	average weight (tons) of the vehicle traveling the road	8.1 tons

Notes/References:

k = Emission factors from CalEEMod2020.4.0 per AP-42, Section 13.2.1 (Paved Roads).

sL = silt loading per AP-42, Section 13.2.1 (Paved Roads).

W = Average vehicle weight calculated for the project site per AP-42, Section 13.2.1 (Paved Roads) equation.

For daily emissions it is assumed to have no precipitation.

Per AP-42, Section 13.2.1 (Paved Roads): The above equation calls for the average weight of all vehicles traveling the road. For example, if 99 percent of traffic on the road are 2 ton cars/trucks while the remaining 1 percent consists of 20 ton trucks, then the mean weight "W" is 2.2 tons. More specifically, the above equation is not intended to be used to calculate a separate emission factor for each vehicle weight class. Instead, only one emission factor should be calculated to represent the "fleet" average weight of all vehicles traveling the road.

Vehicle	Average Daily Trips	Total Distance (miles)	Total Vehicle Miles Traveled	Weight (tons)
Haul Trucks	50	0.59	30	20.8
Freight Trucks	0.43	0.52	0	27.5
Concentrate Trucks	1.0	0.52	1	27.5
Explosives Trucks	0.14	0.52	0	27.5
Fuel Trucks	0.15	0.52	0	27.5
Cement Trucks	1.28	0.52	1	27.5
Outside Services (light vehicles)	3.0	0.52	2	12.5
Light Trucks	80	0.52	41	3.45
Employee Vehicles	325	0.12	38	2.25
Forklifts			60	5
Wheel Loader	150	0.05	7	33
Weighted Average			179	8.1

Emission Factors	PM10 Paved Road (lb/VMT)	PM2.5 Paved Road (lb/VMT)	PM10 Paved Road (g/VMT)	PM2.5 Paved Road (g/VMT)
All Vehicles	0.0116	0.0029	5.2739	1.2945

On-Road Vehicles - Reclamation

2103 Reclamation Mobile Source Assumptions Summary

Reclamation						
Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	15	8	120	608	9,120
Workers	LDA, LDT1 & LDT2 Composite	16.8	16	269	1,216	20,429
Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	15	8	120	608	9,120
Workers	LDA, LDT1 & LDT2 Composite	16.8	16	269	1,216	20,429
Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)			
Pick-up Trucks	LHDT2	8	608			
Workers	LDA, LDT1 & LDT2 Composite	16	1,216			
Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)			
Pick-up Trucks	LHDT2	40	3,040			

2103 Reclamation Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)										
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Running Exhaust, Tire Wear, and Break Wear									
	0.15	0.26	0.74	0.00	0.01	0.01	376.03	0.01	0.04	386.68
	0.00	0.02	0.00	0.00	0.03	0.01	130.28	0.00	0.00	131.01
Subtotal	0.15	0.28	0.74	0.00	0.04	0.02	506.31	0.01	0.04	517.70
	Paved Road - PM only									
	PM10					PM2.5				
	0.08					0.02				
	0.18					0.04				
Subtotal	0.26					0.06				
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.08	0.00	0.12
	0.02	0.01	0.07	0.00	0.00	0.00	0.00	1.65	0.00	1.93
Subtotal	0.03	0.01	0.08	0.00	0.00	0.00	0.00	1.73	0.00	2.05
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Idling									
	0.01	0.07	0.07	0.00	0.00	0.00	0.00	9.01	0.00	9.42
Subtotal	0.01	0.07	0.07	0.00	0.00	0.00	0.00	9.01	0.00	9.42
Reclamation TOTAL	0.19	0.36	0.90	0.01	0.30	0.09	517.06	0.01	0.04	529.17
Emissions - Daily (Pounds/Day)										
SUMMARY	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	0.1886	0.3581	0.8956	0.0050	0.2968	0.0862	517.0568	0.0112	0.0397	529.1675

2103 Reclamation Mobile Source Assumptions Summary

Reclamation						
Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	15	8	120	608	9,120
Workers	LDA, LDT1 & LDT2 Composite	16.8	16	269	1,216	20,429
Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Daily Trips (trips/day)	Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Pick-up Trucks	LHDT2	15	8	120	608	9,120
Workers	LDA, LDT1 & LDT2 Composite	16.8	16	269	1,216	20,429
Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)			
Pick-up Trucks	LHDT2	8	608			
Workers	LDA, LDT1 & LDT2 Composite	16	1,216			
Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)			
Pick-up Trucks	LHDT2	40	3,040			

2103 Reclamation Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual											
(Tons/Year)							(Metric Tons/Year)				
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
Subtotal	Running Exhaust, Tire Wear, and Break Wear										
	0.01	0.01	0.03	0.00	0.00	0.00	14.29	0.00	0.00	14.69	
	0.00	0.00	0.00	0.00	0.00	0.00	4.95	0.00	0.00	4.98	
	0.01	0.01	0.03	0.00	0.00	0.00	19.24	0.00	0.00	19.67	
Subtotal	PM10					PM2.5					
	Paved Road - PM only										
						0.00	0.00				
						0.01	0.00				
					0.01	0.00					
Subtotal					0.01	0.00					
Subtotal	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
	Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap										
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	
Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.07	
Subtotal	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
	Idling										
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	
Subtotal											
Reclamation	TOTAL	0.01	0.01	0.03	0.00	0.01	0.00	19.61	0.00	0.00	20.07
Emissions - Annual (Tons/Year)											
							(Metric Tons/Year)				
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
SUMMARY											
Reclamation	0.0072	0.0136	0.0340	0.0002	0.0113	0.0033	19.6102	0.0004	0.0015	20.0679	

2033 Operation Mobile Source Emissions Factors - EMFAC2017 - 2103 Reclamation

Emission Factors: Summary

Project Vehicle	Vehicle Classes	Fuel	Speed	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
				Running Exhaust, Tire Wear, and Break Wear (grams/mile)								
Pick-up Trucks	LHDT2	Gas, Diesel (Aggregate)	5 mph	0.569	0.979	2.815	0.014	0.044	0.042	1,421.361	0.029	0.133
Workers	LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (Aggregate)	Aggregate	0.005	0.031	0.000	0.002	0.046	0.019	219.848	0.001	0.004

Project Vehicle	Vehicle Classes	PM10	PM2.5
		Paved Road - PM Only (grams/mile)	
Pick-up Trucks	LHDT2	0.300	0.074
Workers	LDA, LDT1 & LDT2 Composite	0.300	0.074

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap (grams/trip)								
Pick-up Trucks	LHDT2	Gas, Diesel (Aggregate)	0.175	0.096	0.355	0.000	0.000	0.000	4.490	0.004	0.008
Employees	LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (Aggregate)	0.691	0.169	2.122	0.000	0.001	0.000	46.878	0.040	0.023

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Idling (grams/Idle-min/vehicle)								
Pick-up Trucks	LHDT2	Gas, Diesel (Aggregate)	0.085	0.825	0.791	0.001	0.012	0.011	102.211	0.013	0.014

Operation Mobile Source Emissions Factors - EMFAC2017 ROG

								STEX HOTSOAK RUNLOSS ROG RESTLOSS									
Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_RESTLOSS	ROG_DIURN	ROG_RESTLOSS - Calculated	ROG_DIURN - Calculated	DIURN_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)	(g/vehicle/day)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.01156009	0.357693525	0.079787672	0.098278255	0.592259385	0.014038843	0.030122052			
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	0.159372784	0.109759705	0	0	0	0	0			
LHDT2 Composite								0.1268	0.1589	0.0181	0.0223	0.1343	0.0028	0.0060	0.000214	0.000458	0.1753
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		202.25		0.040551983									
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		444.07		0.809195131									
LHDT2 (5 mph)								0.5687									
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.003365517	0	0.136108916	0.072943363	0.194477354	0.071689424	0.12008348			
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.008515467	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0	0.004888026	0	0.003297395	0.014390785			
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.007700031	0	0.205742173	0.146971322	0.553281815	0.160184611	0.261242108			
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.017903228	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0	0.004888026	0	0.003290622	0.014359265			
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.010364601	0	0.286768841	0.175133323	0.656328814	0.22616859	0.364251479			
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.019211853	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0	0.004888026	0	0.0033033	0.014438798			
LDA, LDT1, LDT2 Composite								0.0055	0.0000	0.1766	0.1037	0.3411	0.1202	0.1969	0.026354	0.043168	0.6909

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 NOx

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	NOx_RUNEX (g/mile)	NOx_IDLEX (g/vehicle/day)	NOx_STREX (g/trip)
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.1028083	0.03115751	0.424256646
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	1.344093429	1.917622192	0
					LDT1, LDT2, LHDT1, & LHDT2 Composite			1.0709	1.5434	0.0962
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		202.25		0.155389017		
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		444.07		1.354246112		
						LHDT2 (5 mph)		0.9791		
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.021937616	0	0.142648674
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.023140174	0	0
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.03809257	0	0.190298289
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.031159479	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.056907979	0	0.250061324
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.047946394	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
					LDA, LDT1, LDT2 Composite			0.0314	0.0000	0.1690

Operation Mobile Source Emissions Factors - EMFAC2017 CO

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CO_RUNEX (g/mile)	CO_IDLEX (g/vehicle/day)	CO_STREX (g/trip)
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.228634894	3.776925686	1.566500497
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	0.797444725	0.909745076	0
					LDT1, LDT2, LHDT1, & LHDT2 Composite			0.6723	1.4786	0.3551
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		202.25		0.3277384		
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		444.07		3.947953034		
						LHDT2 (5 mph)		2.8151		
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.436133236	0	1.960722774
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.221575706	0	0
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.581605813	0	2.212103429
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.200644818	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.69654723	0	2.827092865
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.208974877	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
					LDA, LDT1, LDT2 Composite			0.4943	0.0000	2.1219

Operation Mobile Source Emissions Factors - EMFAC2017 SO2

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	SO2_RUNEX (g/mile)	SO2_IDLEX (g/vehicle/day)	SO2_STREX (g/trip)
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.010102385	0.001258264	0.000195996
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	0.005463041	0.001956622	0
					LDT1, LDT2, LHDT1, & LHDT2 Composite			0.0065	0.0018	0.0000
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		202.25		0.018992343		
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		444.07		0.011293384		
						LHDT2 (5 mph)		0.0137		
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.002068652	0	0.000432156
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.00158324	0	0
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.00256488	0	0.000544538
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.00318813	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.002681552	0	0.000593594
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.002206162	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
					LDA, LDT1, LDT2 Composite			0.0022	0.0000	0.0005

Operation Mobile Source Emissions Factors - EMFAC2017 PM10

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW	PM10_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/mile)	(g/mile)	(g/mile)
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.002077261	0	0.000311837	0.008000002	0.089180026	
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	0.026712014	0.027614263	0	0.012000003	0.089180026	
					LDT1, LDT2, LHDT1, & LHDT2 Composite			0.0213	0.0221	0.0001	0.0111	0.0892	0.121590
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		202.25		0.007271944					
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		444.07		0.060495509					
						LHDT2 (5 mph)		0.0438	0.0221	0.0001	0.0111	0.0892	0.144141
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.000904915	0	0.001210525	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.002015037	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.001114608	0	0.00145373	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.004676723	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.001091484	0	0.001447973	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.004960015	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0	0.008000002	0.036750011	
					LDA, LDT1, LDT2 Composite			0.0010	0.0000	0.0012	0.0080	0.0368	0.045700

Operation Mobile Source Emissions Factors - EMFAC2017 PM2.5

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	PM2.5_RUNEX	PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW	PM2.5_Combined Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/mile)	(g/mile)	(g/mile)
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.001909965	0	0.000286723	0.002000001	0.038220011	
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	0.025556464	0.026419682	0	0.003000001	0.038220011	
					LDT1, LDT2, LHDT1, & LHDT2 Composite			0.0204	0.0212	0.0001	0.0028	0.0382	0.061352
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		202.25		0.006686284					
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		444.07		0.0578785					
					LHDT2 (5 mph)			0.0419	0.0212	0.0001	0.0028	0.0382	0.082859
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.000832036	0	0.001113033	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.001927868	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.001024841	0	0.001336651	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.00447441	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.001003579	0	0.001331358	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.004745447	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0	0.002000001	0.015750005	
					LDA, LDT1, LDT2 Composite			0.0009	0.0000	0.0011	0.0020	0.0158	0.018624

Operation Mobile Source Emissions Factors - EMFAC2017 CO2

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CO2_RUNEX (g/mile)	CO2_IDLEX (g/vehicle/day)	CO2_STREX (g/trip)
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	1020.874951	127.1511595	19.8059335
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	577.8796721	206.9711469	0
LDT1, LDT2, LHDT1, & LHDT2 Composite								675.3790	191.1355	4.4897
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		202.25		1919.230662		
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		444.07		1194.612511		
LHDT2 (5 mph)								1421.3610		
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	209.0431707	0	43.67062153
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	167.474885	0	0
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	259.1884862	0	55.02715548
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	337.2399132	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	270.9784765	0	59.98432949
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	233.3675013	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
LDA, LDT1, LDT2 Composite								219.8477	0.0000	46.8784

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 CH4

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CH4_RUNEX (g/mile)	CH4_IDLEX (g/vehicle/day)	CH4_STREX (g/trip)
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.003122782	0.104107617	0.016806897
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	0.007402561	0.005098128	0
LDT1, LDT2, LHDT1, & LHDT2 Composite								0.0065	0.0247	0.0038
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		202.25		0.010954464		
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		444.07		0.037585567		
LHDT2 (5 mph)								0.0293		
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.001014519	0	0.032444158
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.000395527	0	0
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.001958585	0	0.045255831
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.000831571	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.002556566	0	0.060288351
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.000892354	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
LDA, LDT1, LDT2 Composite								0.0014	0.0000	0.0395

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 N2O

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	N2O_RUNEX (g/mile)	N2O_IDLEX (g/vehicle/day)	N2O_STREX (g/trip)
NORTHERN SIERRA AQMD	2033	LHDT2	GAS	Aggregate	207.97	7,126.55	3,098.39	0.007833819	0.002768715	0.03580349
NORTHERN SIERRA AQMD	2033	LHDT2	DSL	Aggregate	840.29	25,253.44	10,569.83	0.090834637	0.032532982	0
					LDT1, LDT2, LHDT1, & LHDT2 Composite			0.0726	0.0266	0.0081
NORTHERN SIERRA AQMD	2021	LHDT2	GAS	5		202.25		0.011840442		
NORTHERN SIERRA AQMD	2021	LHDT2	DSL	5		444.07		0.187776451		
						LHDT2 (5 mph)		0.1327		
NORTHERN SIERRA AQMD	2033	LDA	GAS	Aggregate	65,395.43	2,456,662.39	304,226.65	0.003347589	0	0.021589601
NORTHERN SIERRA AQMD	2033	LDA	DSL	Aggregate	856.43	31,634.84	3,967.13	0.02632472	0	0
NORTHERN SIERRA AQMD	2033	LDA	ELEC	Aggregate	3,322.15	138,260.91	16,017.57	0	0	0
NORTHERN SIERRA AQMD	2033	LDT1	GAS	Aggregate	9,029.67	296,867.02	39,946.62	0.004409081	0	0.025455269
NORTHERN SIERRA AQMD	2033	LDT1	DSL	Aggregate	1.39	45.61	6.17	0.053009418	0	0
NORTHERN SIERRA AQMD	2033	LDT1	ELEC	Aggregate	192.58	8,106.57	932.30	0	0	0
NORTHERN SIERRA AQMD	2033	LDT2	GAS	Aggregate	32,600.53	1,048,806.12	142,851.54	0.005172688	0	0.028529558
NORTHERN SIERRA AQMD	2033	LDT2	DSL	Aggregate	278.74	9,983.44	1,280.55	0.036682121	0	0
NORTHERN SIERRA AQMD	2033	LDT2	ELEC	Aggregate	801.12	23,048.37	3,859.86	0	0	0
					LDA, LDT1, LDT2 Composite			0.0040	0.0000	0.0227

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Paved Road Fugitive Emissions - Operation Mobile Sources

Equation:

$$E = k \times (sL/2)^{0.91} \times (W)1.02 \text{ [maximum day]}$$

Where:

		Units
k	particle size multiplier (PM ₁₀)	0.00220 lb/VMT
k	particle size multiplier (PM _{2.5})	0.00054 lb/VMT
sL	silt loading (high ADT roads)	0.1 g/m ²
W	average weight (tons) of the vehicle traveling the road	2.4 tons

Notes/References:

k = Emission factors from CalEEMod2020.4.0 per AP-42, Section 13.2.1 (Paved Roads).

sL = silt loading per AP-42, Section 13.2.1 (Paved Roads).

W = Average vehicle weight from CalEEMod2020.4.0, consistent with the statewide average vehicle weight used in CARB's Entrained Road Travel, Paved Road Dust, 2016 Update.
For daily emissions it is assumed to have no precipitation.

Per AP-42, Section 13.2.1 (Paved Roads): The above equation calls for the average weight of all vehicles traveling the road. For example, if 99 percent of traffic on the road are 2 ton cars/trucks while the remaining 1 percent consists of 20 ton trucks, then the mean weight "W" is 2.2 tons. More specifically, the above equation is not intended to be used to calculate a separate emission factor for each vehicle weight class. Instead, only one emission factor should be calculated to represent the "fleet" average weight of all vehicles traveling the road.

Emission Factors	PM10 Paved Road (lb/VMT)	PM2.5 Paved Road (lb/VMT)	PM10 Paved Road (g/VMT)	PM2.5 Paved Road (g/VMT)
All Vehicles - High ADT Roads	0.0007	0.0002	0.2998	0.0736

***On-Road Vehicles - 2033
Outside Air District
Emissions***

2033 Operation Mobile Source Assumptions Summary - Outside Air District Emissions Estimate

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	60	200	12,000	36,500	2,190,000
Freight Trucks	HHDT	60	6	360	312	18,720
Concentrate Trucks	HHDT	145	10	1,450	728	105,560
Explosives Trucks	HHDT	60	2	120	104	6,240
Cement Delivery	MHDT	60	4	240	936	56,160
Fuel Trucks	MHDT LDT1, LDT2, LHDT1, & LHDT2 Composite	3.5	6	21	108	378
Outside Services (light vehicles)		5	8	40	2,184	10,920
Employees	LDA, LDT1 & LDT2 Composite	14.7	356	5,233	120,788	1,775,584

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Haul Trucks	HHDT	60	200	12,000	36,500	2,190,000
Freight Trucks	HHDT	60	6	360	312	18,720
Concentrate Trucks	HHDT	145	10	1,450	728	105,560
Explosives Trucks	HHDT	60	2	120	104	6,240
Cement Delivery	MHDT	60	4	240	936	56,160
Fuel Trucks	MHDT	3.5	6	21	108	378
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	5	8	40	2,184	10,920
Employees	LDA, LDT1 & LDT2 Composite	14.7	356	5,233	120,788	1,775,584

2033 Operation Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)												
Air District	Approximate Miles	Percent	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear												
NSAQMD	16	27%	0.60	61.71	5.81	0.27	3.21	1.55	28,928.13	0.03	4.55	30,283.86
PCAPCD	26	43%	0.16	16.66	1.57	0.07	0.87	0.42	7,810.59	0.01	1.23	8,176.64
SMAQMD	18	30%	0.26	26.53	2.50	0.12	1.38	0.67	12,439.10	0.01	1.96	13,022.06
	60		0.18	18.51	1.74	0.08	0.96	0.47	8,678.44	0.01	1.36	9,085.16
			0.02	1.85	0.17	0.01	0.10	0.05	867.84	0.00	0.14	908.52
NSAQMD	16	27%	0.00	0.50	0.05	0.00	0.03	0.01	234.32	0.00	0.04	245.30
PCAPCD	26	43%	0.01	0.80	0.07	0.00	0.04	0.02	373.17	0.00	0.06	390.66
SMAQMD	18	30%	0.01	0.56	0.05	0.00	0.03	0.01	260.35	0.00	0.04	272.55
	60											
			0.07	7.46	0.70	0.03	0.39	0.19	3,495.48	0.00	0.55	3,659.30
NSAQMD	16	11%	0.01	0.82	0.08	0.00	0.04	0.02	384.50	0.00	0.06	402.52
PCAPCD	26	18%	0.01	1.34	0.13	0.01	0.07	0.03	629.19	0.00	0.10	658.67
SMAQMD	17	12%	0.01	0.89	0.08	0.00	0.05	0.02	419.46	0.00	0.07	439.12
YSAQMD	34	23%	0.02	1.71	0.16	0.01	0.09	0.04	803.96	0.00	0.13	841.64
BAAQMD	52	36%	0.03	2.68	0.25	0.01	0.14	0.07	1,258.37	0.00	0.20	1,317.35
	145											
			0.01	0.62	0.06	0.00	0.03	0.02	289.28	0.00	0.05	302.84
NSAQMD	16	27%	0.00	0.17	0.02	0.00	0.01	0.00	78.11	0.00	0.01	81.77
PCAPCD	26	43%	0.00	0.27	0.02	0.00	0.01	0.01	124.39	0.00	0.02	130.22
SMAQMD	18	30%	0.00	0.19	0.02	0.00	0.01	0.00	86.78	0.00	0.01	90.85
	60											
			0.01	1.04	0.07	0.00	0.08	0.04	489.10	0.00	0.08	512.02
NSAQMD	16	27%	0.00	0.28	0.02	0.00	0.02	0.01	132.06	0.00	0.02	138.25
PCAPCD	26	43%	0.00	0.45	0.03	0.00	0.03	0.02	210.31	0.00	0.03	220.17
SMAQMD	18	30%	0.00	0.31	0.02	0.00	0.02	0.01	146.73	0.00	0.02	153.61
	60											
NSAQMD	3.5	100%	0.00	0.09	0.01	0.00	0.01	0.00	42.80	0.00	0.01	44.80
NSAQMD	5	100%	0.00	0.02	0.06	0.00	0.00	0.00	27.66	0.00	0.00	27.94
NSAQMD	14.7	100%	0.06	0.36	0.00	0.03	0.53	0.21	2,536.44	0.02	0.05	2,550.69
NSAQMD	Total		0.24	18.90	1.81	0.10	1.51	0.68	11,246.48	0.03	1.41	11,667.92
PCAPCD	Total		0.28	29.39	2.75	0.13	1.53	0.75	13,776.16	0.01	2.17	14,421.78
SMAQMD	Total		0.20	20.46	1.91	0.08	1.07	0.51	9,591.76	0.01	1.50	10,041.29
YSAQMD	Total		0.02	1.71	0.16	0.01	0.09	0.04	803.96	0.00	0.13	841.64
BAAQMD	Total		0.03	2.68	0.25	0.01	0.14	0.07	1,258.37	0.00	0.20	1,317.35
Check			0.77	73.14	6.88	0.35	4.34	2.06	36,676.73	0.05	5.41	38,289.97
Check			0.77	73.14	6.88	0.33	4.34	2.05	36,676.73	0.05	5.41	38,289.98

			PM10	PM2.5
			Paved Road - PM only	
			7.93	1.95
NSAQMD	16	27%	2.14	0.53
PCAPCD	26	43%	3.41	0.84
SMAQMD	18	30%	2.38	0.58
	60			
			0.24	0.06
NSAQMD	16	27%	0.06	0.02
PCAPCD	26	43%	0.10	0.03
SMAQMD	18	30%	0.07	0.02
	60			
			0.96	0.24
NSAQMD	16	11%	0.11	0.03
PCAPCD	26	18%	0.17	0.04
SMAQMD	17	12%	0.12	0.03
YSAQMD	34	23%	0.22	0.05
BAAQMD	52	36%	0.35	0.08
	145			
			0.08	0.02
NSAQMD	16	27%	0.02	0.01
PCAPCD	26	43%	0.03	0.01
SMAQMD	18	30%	0.02	0.01
	60			
			0.16	0.04
NSAQMD	16	27%	0.04	0.01
PCAPCD	26	43%	0.07	0.02
SMAQMD	18	30%	0.05	0.01
	60			
NSAQMD	3.5		0.05	0.01
NSAQMD	5		0.09	0.02
NSAQMD	14.7		3.46	3.00
NSAQMD	Total		5.97	3.63

2033 Operation Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual									
(Tons/Year)						(Metric Tons/Year)			
ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.05	5.63	0.53	0.02	0.29	0.14	2,394.69	0.00	0.38	2,506.91
0.01	1.52	0.14	0.01	0.08	0.04	646.57	0.00	0.10	676.87
0.02	2.42	0.23	0.01	0.13	0.06	1,029.72	0.00	0.16	1,077.97
0.02	1.69	0.16	0.01	0.09	0.04	718.41	0.00	0.11	752.07
0.00	0.05	0.00	0.00	0.00	0.00	20.47	0.00	0.00	21.43
0.00	0.01	0.00	0.00	0.00	0.00	5.53	0.00	0.00	5.79
0.00	0.02	0.00	0.00	0.00	0.00	8.80	0.00	0.00	9.21
0.00	0.01	0.00	0.00	0.00	0.00	6.14	0.00	0.00	6.43
0.00	0.27	0.03	0.00	0.01	0.01	115.43	0.00	0.02	120.84
0.00	0.03	0.00	0.00	0.00	0.00	12.70	0.00	0.00	13.29
0.00	0.05	0.00	0.00	0.00	0.00	20.78	0.00	0.00	21.75
0.00	0.03	0.00	0.00	0.00	0.00	13.85	0.00	0.00	14.50
0.00	0.06	0.01	0.00	0.00	0.00	26.55	0.00	0.00	27.79
0.00	0.10	0.01	0.00	0.01	0.00	41.55	0.00	0.01	43.50
0.00	0.02	0.00	0.00	0.00	0.00	6.82	0.00	0.00	7.14
0.00	0.00	0.00	0.00	0.00	0.00	1.84	0.00	0.00	1.93
0.00	0.01	0.00	0.00	0.00	0.00	2.93	0.00	0.00	3.07
0.00	0.00	0.00	0.00	0.00	0.00	2.05	0.00	0.00	2.14
0.00	0.12	0.01	0.00	0.01	0.00	51.91	0.00	0.01	54.35
0.00	0.03	0.00	0.00	0.00	0.00	14.02	0.00	0.00	14.67
0.00	0.05	0.00	0.00	0.00	0.00	22.32	0.00	0.00	23.37
0.00	0.04	0.00	0.00	0.00	0.00	15.57	0.00	0.00	16.30
0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.37
0.00	0.00	0.01	0.00	0.00	0.00	3.43	0.00	0.00	3.46
0.01	0.06	0.00	0.00	0.09	0.04	390.36	0.00	0.01	392.55
0.02	1.65	0.15	0.01	0.17	0.08	1,074.79	0.00	0.11	1,108.93
0.02	2.55	0.23	0.01	0.13	0.06	1,084.55	0.00	0.16	1,135.37
0.02	1.77	0.16	0.01	0.09	0.04	756.02	0.00	0.11	791.44
0.00	0.06	0.01	0.00	0.00	0.00	26.55	0.00	0.00	27.79
0.00	0.10	0.01	0.00	0.01	0.00	41.55	0.00	0.01	43.50
0.07	6.15	0.58	0.03	0.41	0.19	2,983.45	0.01	0.41	3,107.05
0.06	6.13	0.56	0.03	0.40	0.18	2,983.46	0.00	0.39	3,107.03

PM10	PM2.5
Paved Road - PM only	
0.72	0.18
0.20	0.05
0.31	0.08
0.22	0.05
0.01	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.03	0.01
0.00	0.00
0.01	0.00
0.00	0.00
0.01	0.00
0.01	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.02	0.00
0.01	0.00
0.01	0.00
0.01	0.00
0.00	0.00
0.01	0.00
0.59	0.51
0.81	0.56

PCAPCD	Total	3.78	0.94	0.33	0.08
SMAQMD	Total	2.64	0.65	0.23	0.05
YSAQMD	Total	0.22	0.05	0.01	0.00
BAAQMD	Total	0.35	0.08	0.01	0.00
	Check	12.96	5.35	1.39	0.69
	Check	12.97	5.33	1.39	0.70

		Emissions - Daily (Pounds/Day)									
Air District		ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
		Running Exhaust, Tire Wear, and Break Wear									
NSAQMD	Total	0.24	18.90	1.81	0.10	7.48	4.31	11,246.48	0.03	1.41	11,667.92
PCAPCD	Total	0.28	29.39	2.75	0.13	5.31	1.69	13,776.16	0.01	2.17	14,421.78
SMAQMD	Total	0.20	20.46	1.91	0.08	3.71	1.16	9,591.76	0.01	1.50	10,041.29
YSAQMD	Total	0.02	1.71	0.16	0.01	0.31	0.09	803.96	0.00	0.13	841.64
BAAQMD	Total	0.03	2.68	0.25	0.01	0.49	0.15	1,258.37	0.00	0.20	1,317.35
	Check	0.77	73.14	6.88	0.35	17.30	7.41	36,676.73	0.05	5.41	38,289.97
	Check	0.77	73.14	6.88	0.33	17.31	7.38	36,676.73	0.05	5.41	38,289.98

		Emissions - Annual									
		(Tons/Year)						(Metric Tons/Year)			
		ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
		Running Exhaust, Tire Wear, and Break Wear									
		0.02	1.65	0.15	0.01	0.98	0.64	1,074.79	0.00	0.11	1,108.93
		0.02	2.55	0.23	0.01	0.46	0.14	1,084.55	0.00	0.16	1,135.37
		0.02	1.77	0.16	0.01	0.32	0.09	756.02	0.00	0.11	791.44
		0.00	0.06	0.01	0.00	0.01	0.00	26.55	0.00	0.00	27.79
		0.00	0.10	0.01	0.00	0.02	0.00	41.55	0.00	0.01	43.50
		0.07	6.15	0.58	0.03	1.80	0.88	2,983.45	0.01	0.41	3,107.05
		0.06	6.13	0.56	0.03	1.79	0.88	2,983.46	0.00	0.39	3,107.03

2033 Operation Mobile Source Emissions Factors - EMFAC2017
Emission Factors: Summary

Project Vehicle	Vehicle Classes	Fuel	Speed	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
				Running Exhaust, Tire Wear, and Break Wear (grams/mile)								
Haul Trucks	HHDT	Diesel	Aggregate	0.023	2.333	0.219	0.010	0.121	0.059	1,093.464	0.001	0.172
Freight Trucks	HHDT	Diesel	Aggregate	0.023	2.333	0.219	0.010	0.121	0.059	1,093.464	0.001	0.172
Concentrate Trucks	HHDT	Diesel	Aggregate	0.023	2.333	0.219	0.010	0.121	0.059	1,093.464	0.001	0.172
Explosives Trucks	HHDT	Diesel	Aggregate	0.023	2.333	0.219	0.010	0.121	0.059	1,093.464	0.001	0.172
Fuel Trucks	MHDT	Diesel	Aggregate	0.015	1.966	0.141	0.009	0.152	0.068	924.385	0.001	0.145
Cement Trucks	MHDT	Diesel	Aggregate	0.015	1.966	0.141	0.009	0.152	0.068	924.385	0.001	0.145
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	Gas, Diesel (Aggregate)	Aggregate	0.021	0.173	0.672	0.003	0.053	0.022	313.698	0.003	0.010
Employees	LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (Aggregate)	Aggregate	0.005	0.031	0.000	0.002	0.046	0.019	219.848	0.001	0.004

Project Vehicle	Vehicle Classes	PM10 PM2.5	
		Paved Road - PM Only (grams/mile)	
Haul Trucks	HHDT	0.300	0.074
Freight Trucks	HHDT	0.300	0.074
Concentrate Trucks	HHDT	0.300	0.074
Explosives Trucks	HHDT	0.300	0.074
Fuel Trucks	MHDT	1.059	0.260
Cement Trucks	MHDT	0.300	0.074
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	1.059	0.260
Employees	LDA, LDT1 & LDT2 Composite	0.300	0.260

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap (grams/trip)								
Haul Trucks	HHDT	Diesel	0.000	2.612	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Freight Trucks	HHDT	Diesel	0.000	2.612	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Concentrate Trucks	HHDT	Diesel	0.000	2.612	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Explosives Trucks	HHDT	Diesel	0.000	2.612	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel Trucks	MHDT	Diesel	0.000	2.141	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cement Trucks	MHDT	Diesel	0.000	2.141	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	Gas, Diesel (Aggregate)	1.197	0.232	2.113	0.000	0.001	0.001	42.509	0.042	0.024
Employees	LDA, LDT1 & LDT2 Composite	Gas, Electric, & Diesel (Aggregate)	0.691	0.169	2.122	0.000	0.001	0.000	46.878	0.040	0.023

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Idling (grams/Idle-min/vehicle)								
Haul Trucks	HHDT	Diesel	0.063	0.757	0.932	0.001	0.000	0.000	128.117	0.003	0.020
Freight Trucks	HHDT	Diesel	0.063	0.757	0.932	0.001	0.000	0.000	128.117	0.003	0.020
Concentrate Trucks	HHDT	Diesel	0.063	0.757	0.932	0.001	0.000	0.000	128.117	0.003	0.020
Explosives Trucks	HHDT	Diesel	0.063	0.757	0.932	0.001	0.000	0.000	128.117	0.003	0.020
Fuel Trucks	MHDT	Diesel	0.012	0.892	0.456	0.001	0.000	0.000	136.320	0.001	0.021
Cement Trucks	MHDT	Diesel	0.012	0.892	0.456	0.001	0.000	0.000	136.320	0.001	0.021
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	Gas, Diesel (Aggregate)	0.016	0.077	0.153	0.000	0.001	0.001	9.357	0.003	0.001

Stationary/Process Sources

- Underground Blasting/Mining
 - Ore Processing – Surface
 - Backup Diesel Generators
 - Reagent Use
 - Diesel Storage Tanks

Idaho-Maryland Mine Project
Underground Mining - Stationary

				Emission Factors (lb/ton)								Emissions (lb/day)								Emissions (tons/year)					Emissions (metric tons/year)							
	STPD	Annual TPY	% total	ROG	NOx	CO	SO2	PM 10	PM 2.5	CO2	CH4	N2O	ROG	NOx	CO	SO2	PM 10	PM 2.5	CO2	CH4	N2O	ROG	NOx	CO	SO2	PM 10	PM 2.5	CO2	CH4	N2O	CO2e	Emission Factor Source
2022 - 2102																																
Rock drilling	1,500	5.5E+05	100%	0	0	0	0	8.00E-05	8.00E-05	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-01	1.20E-01	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	2.19E-02	2.19E-02	0	0	0	0	Wet drilling - unfragmented stone AP-42 5th ed. Aug04 Table 11.19.2-2
Rock blasting - ANFO	0.93	3.4E+02	100%	0	17	67	2	0.00E+00	0.00E+00	446.96	0.01967	0.00393	0.00E+00	1.58E+01	6.23E+01	1.86E+00	0.00E+00	0.00E+00	4.16E+02	1.83E-02	3.66E-03	0.00E+00	2.88E+00	1.14E+01	3.39E-01	0	0	6.87E+01	3.02E-03	6.05E-04	6.90E+01	Explosives detonation, AP-42 5th ed Feb 1980 Table 13.3-1; AP-42 Table 11.9-1
Rock blasting - Detonators ¹	257	9.4E+04	100%	3.5E-06	0.00016	0.00035	0	7.70E-04	4.80E-04	0.0014	3.5E-06	0	9.00E-04	4.11E-02	9.00E-02	0.00E+00	1.98E-01	1.23E-01	3.60E-01	9.00E-04	0.00E+00	1.64E-04	7.51E-03	1.64E-02	0.00E+00	3.61E-02	2.25E-02	5.96E-02	1.49E-04	0.00E+00	6.33E-02	Blasting caps, demolition charges, and detonators AP-42 5th ed. Jul09 Table 15.9.14-1
Rock blasting	0.93	3.4E+02	100%	0	0	0	0	7.28E-05	4.20E-06	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05	3.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	7.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	Western Surface Coal Mining, Blasting, AP-42 5th ed Oct 98 Table 11.9-1
Load/excavate broken rock	1,500	5.5E+05	100%	0	0	0	0	4.60E-05	1.30E-05	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-02	1.95E-02	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	1.26E-02	3.56E-03	0	0	0	0	conveyor transfer point (controlled) AP-42 5th ed. Aug04 Table 11.19.2-2
Dump broken rock into ore pass	1,500	5.5E+05	100%	0	0	0	0	4.60E-05	1.30E-05	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-02	1.95E-02	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	1.26E-02	3.56E-03	0	0	0	0	conveyor transfer point (controlled) AP-42 5th ed. Aug04 Table 11.19.2-2
Transfer to rail car	1,500	5.5E+05	100%	0	0	0	0	4.60E-05	1.30E-05	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-02	1.95E-02	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	1.26E-02	3.56E-03	0	0	0	0	conveyor transfer point (controlled) AP-42 5th ed. Aug04 Table 11.19.2-2
Transfer to Jaw Crusher	1,500	5.5E+05	100%	0	0	0	0	4.60E-05	1.30E-05	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-02	1.95E-02	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	1.26E-02	3.56E-03	0	0	0	0	conveyor transfer point (controlled) AP-42 5th ed. Aug04 Table 11.19.2-2
Jaw Crusher	1,500	5.5E+05	100%	0	0	0	0	5.40E-04	1.00E-04	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-01	1.50E-01	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	1.48E-01	2.74E-02	0	0	0	0	Tertiary Crushing (controlled) AP-42 5th ed. Aug04 Table 11.19.2-2
Transfer to storage	1,500	5.5E+05	100%	0	0	0	0	4.60E-05	1.30E-05	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-02	1.95E-02	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	1.26E-02	3.56E-03	0	0	0	0	conveyor transfer point (controlled) AP-42 5th ed. Aug04 Table 11.19.2-2
Transfer to mine skip	1,500	5.5E+05	100%	0	0	0	0	4.60E-05	1.30E-05	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-02	1.95E-02	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	1.26E-02	3.56E-03	0	0	0	0	conveyor transfer point (controlled) AP-42 5th ed. Aug04 Table 11.19.2-2
Transfer to 500 ton barren rock silo	500	1.8E+05	100%	0	0	0	0	4.60E-05	1.30E-05	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-02	6.50E-03	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	4.20E-03	1.19E-03	0	0	0	0	conveyor transfer point (controlled) AP-42 5th ed. Aug04 Table 11.19.2-2
Transfer to 1,000 ton ore silo	1,000	3.7E+05	100%	0	0	0	0	4.60E-05	1.30E-05	0	0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-02	1.30E-02	0.00E+00	0.00E+00	0.00E+00	0	0	0	0	8.40E-03	2.37E-03	0	0	0	0	conveyor transfer point (controlled) AP-42 5th ed. Aug04 Table 11.19.2-2
Total													0.00	15.85	62.40	1.86	1.61	0.53	416.03	0.02	0.00	0.00	2.89	11.37	0.34	0.29	0.10	68.79	0.00	0.00	69.05	

Notes

Control Efficiencies:
"controlled" emission factors from AP-42 are used, and assume water sprays
% total = percentage of total STPD traveling through a piece of equipment
Assumptions:

assumes 365 operating days per year
detonator emission factors are in lb per item
¹ Quantity is in number of pieces per day and year.

Particulates are produced from explosives, but such large quantities of particulate are generated in the shattering of the rock and earth by the explosive that the quantity of particulates from the explosive charge cannot be distinguished (EPA AP-42 13.3.2)

Asbestos Emissions

	lb/day	lb/hour	lb/year
Underground Barren Rock - Serpentinite (2 tpd)	2.12E-07	8.84E-09	7.74E-05
Underground Mining - Non-Serpentinite (1498 tpd)	2.74E-04	1.14E-05	1.00E-01
Total Underground mining	2.74E-04	1.14E-05	1.00E-01

Assumptions: Assumes engineered fill won't exceed 0.01% by mass in accordance with the ASUR Plan.

Silica Emissions

	lb/day	lb/hour	lb/year
Underground Mining	0.85	0.04	309.46

Assumptions: 60% silica content

Idaho-Maryland Mine Project
Ore Processing - Surface

Activity	STPD	Annual TPY	% total	Emission Factors (lb/ton)		Emissions (lb/day)		Emissions (tons/year)		Emission Factor Source
				PM 10	PM 2.5	PM 10	PM 2.5	PM 10	PM 2.5	
2022 - 2102										
Transfer to conveyor	500	1.8E+05	100%	4.60E-05	1.30E-05	2.30E-02	6.50E-03	4.20E-03	1.19E-03	Transfer Point (controlled) AP-42 5th ed. Aug04 Table 11.19.2-2
Transfer to haul trucks	500	1.8E+05	100%	1.00E-04	1.00E-04	5.00E-02	5.00E-02	9.13E-03	9.13E-03	Truck Loading-Conveyor, crushed stone AP-42 5th ed. Aug04 Table 11.19.2-2
Transfer sand tailings to haul trucks - processing plant	333	1.2E+05	100%	2.00E-04	2.00E-04	6.67E-02	6.67E-02	1.22E-02	1.22E-02	Material Handling and transfer - High Moisture ore - with 95% baghouse reduction AP-42 5th ed. Aug04 Table 11.24-2
Transfer sand tailings to storage bay - inside plant	167	6.1E+04	100%	2.00E-04	2.00E-04	3.33E-02	3.33E-02	6.08E-03	6.08E-03	Material Handling and transfer - High Moisture ore - with 95% baghouse reduction AP-42 5th ed. Aug04 Table 11.24-3
Transfer sand tailings from storage bay to haul trucks - inside plant	167	6.1E+04	100%	8.88E-05	8.88E-05	1.48E-02	1.48E-02	2.70E-03	2.70E-03	Material Handling AP-42 5th ed. Aug04 Section 13.2.4.3
Transfer to SAG mill	1,000	3.7E+05	100%	4.60E-05	1.30E-05	4.60E-02	1.30E-02	8.40E-03	2.37E-03	Transfer Point (controlled) AP-42 5th ed. Aug04 Table 11.19.2-2
Transfer to ore conveyor	1,000	3.7E+05	100%	4.60E-05	1.30E-05	4.60E-02	1.30E-02	8.40E-03	2.37E-03	Transfer Point (controlled) AP-42 5th ed. Aug04 Table 11.19.2-2
Portland cement loading	25	9.1E+03	100%	3.40E-04	3.40E-04	8.50E-03	8.50E-03	1.55E-03	1.55E-03	Cement Unloading (controlled) to Elevated Storage Silo AP-42 5th ed. June 2006, Table 11.12-2
Total						2.88E-01	2.06E-01	5.26E-02	3.76E-02	

Assumptions:
assumes 365 operating days per year
PM2.5 assumed to equal PM10 emissions for haul truck loading and portland cement loading
Assume Sand Tailings trasfer dust control (required by ADMP) efficiency of 95%

Asbestos Emissions

	lb/day	lb/hour	lb/year
Ore Processing	2.80E-05	0.00	0.01

Assumptions: Assumes engineered fill won't exceed 0.01% by mass in accordance with the ASUR Plan.

Silica Emissions

	lb/day	lb/hour	lb/year
Ore Processing	0.17	0.01	61.28

Assumptions: rock with 60% silica content

Idaho-Maryland Mine Project
Emergency Generator Testing

	Generator HP	Number of Units	Emission Factors (g/hp-hr)									Emissions (lb/day) ^d									Emissions (tons/year) ^d						Emissions (metric tons/year)			
			ROG ^a	NOx ^a	CO ^a	SO2 ^b	PM10 ^a	PM 2.5 ^a	CO2 ^c	CH4 ^c	N2O ^c	ROG	NOx	CO	SO2	PM10	PM 2.5	CO2	CH4	N2O	ROG	NOx	CO	SO2	PM10	PM 2.5	CO2	CH4	N2O	CO2e
2021																														
Generator	2655	2	0.02	0.40	1.04	0.006	0.00	0.00	568.30	0.02	0.01	0.47	9.37	24.35	0.13	0.09	0.09	13,305.44	0.44	0.21	0.01	0.23	0.61	0.00	0.00	0.00	301.76	0.01	0.00	303.44
2022 - 2102																														
Generator	2655	4	0.02	0.40	1.04	0.006	0.00	0.00	568.30	0.02	0.01	0.94	18.73	48.70	0.26	0.19	0.19	26,610.87	0.89	0.42	0.02	0.47	1.22	0.01	0.00	0.00	603.53	0.02	0.01	606.88

Notes

^a Emission factors based on EPA Engine Certificate KCEXL78.0AAA-009. However, based on the decimals of the certificate, PM10 assumed to be 0.004 g/hp-hr, and PM2.5 assumed to be 99% of the PM10

^b Emission factors based on EPA AP-42, Table 3.3-2.

^c Emission factors from CARB OFFROAD 2011 Model.

^d Emissions based on maximum testing schedule of 2 hours per day and 100 hours per year

TAC Emissions - 2021

	CAS Number	Emission Factor (g/hp-hr) ^a	Emissions (lb/hour)	Emissions (lb/year)
Compound				
Diesel Particulate Matter	9901	0.0040	0.0468	4.68

Note: 100 hours/year

^a From manufacturers emissions data sheet 1138. PM emissions reported as 0.00, therefore, due to rounding 0.004 was assumed.

TAC Emissions - 2022 - 2102

	CAS Number	Emission Factor (g/hp-hr) ^a	Emissions (lb/hour)	Emissions (lb/year)
Compound				
Diesel Particulate Matter	9901	0.0040	0.0937	9.37

Note: 100 hours/year

^a From manufacturers emissions data sheet 1138. PM emissions reported as 0.00, therefore, due to rounding 0.004 was assumed.

Idaho-Maryland Mine Project
Reagent Use

Reagent Type	Quantity Used		Product	VOC content (%)	VOC Emissions (lb/day)	VOC Emissions (ton/yr)
Promoter	100	pounds per day	Aerophine 3418A	0	0	0.00
Promoter	50	pounds per day	Aerofloat 208	0	0	0.00
Frother	80	pounds per day	Aerofroth 70 - MIBC	0	0	0.00
Flocculant	80	pounds per day	Magnfloc 10	0	0	0.00
Descaling	264	gallons per month	Scaletrol PDC9401	0	0	0.00
				Total	0	0.00

Notes: VOC content based off of product MSDS.

Idaho-Maryland Mine Project
Diesel Storage Tanks

Fuel Tank	Fuel Type	Tank Type	Tank Size (gallons)	Gallons Per Day	Gallons Per year	Turnovers per year	ROG Emissions (lb/day)			ROG Emissions (ton/yr)		
							Breathing Losses	Working Losses	Total	Breathing Losses	Working Losses	Total
Brunswick Site - Diesel	Low-sulfur Diesel (No.2)	AST	30,000	12,000	4,380,000.00	146.00	0.02	0.10	0.12	0.00	0.02	0.02
Centenial Site - Diesel	Low-sulfur Diesel (No.2)	AST	1,200	231	84,315.00	70.26	0.00	0.00	0.00	0.00	0.00	0.00
						Total	0.02	0.11	0.12	0.00	0.02	0.02

Note: Emissions estimated using US EPA TANKS 4.09d.

Diesel Fuel TAC Emission Calculations

	Emission Factors (lb/lb ROG)				Emissions (lb/hr)				Emissions (lb/yr)			
	Benzene	Hexane	Toluene	2,2,4-Trimethylpentane	Benzene	Hexane	Toluene	2,2,4-Trimethylpentane	Benzene	Hexane	Toluene	2,2,4-Trimethylpentane
Brunswick Site - Diesel	0.024	0.047	0.014	0.004	0.000120329	0.000235644	7.01918E-05	2.00548E-05	1.05408	2.06424	0.61488	0.17568
Centenial Site - Diesel	0.024	0.047	0.014	0.004	3.53425E-06	6.92123E-06	2.06164E-06	5.89041E-07	0.03096	0.06063	0.01806	0.00516

Note: Emission factors from the CARB Identification of Volatile Organic Compound Species Profiles, Profile #297. August 1991.

Earthwork and Material Handling Fugitive Dust

Serpentinite Concent of Mine Fill	14.30%
Asbestos content of serpentinite	0.20%
	0.03%

	Location (Stateplane)		Acres	Dust Suppression		Daily Emissions (lb/day)		Total Emissions (lbs)	
	East	North		Method	Reduction %	PM10	PM2.5	PM10	PM2.5
Wind Erosion of exposed areas	6840540	2203910	4.00	Water	55%	2.2488	0.1162	820.80	42.41
									AP-42 11.9-4

* Note that per WRAP Fugitive Dust Guidebook, "Calculated emissions [from wind erosion] represent intermittent events and should not be input directly into dispersion models that assume steady-state emission rates"

	0.41	0.02 tons/year

Emission Factors (lb/ton)					Daily Emissions (lb/day)		Annual Emissions (tons/year)		Emmision Factor Source
Soil Placement	STPD	Annual TPY	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	
Material Handling - Excavate/Load, Dump, Reload, Place	110	40,150	0.0020	0.0003	0.22	0.03	0.04	0.01	Material Drop AP-42 5th ed. Aug04 Section 13.2.4
Bulldozer Spreading	110	40,150	0.0065	0.0032	0.72	0.36	0.13	0.06	Bulldozing AP-42 5th ed. Aug04 Table 11.9.1
Fill Compaction	110	40,150	0.0015	0.0007	0.16	0.08	0.03	0.01	Bulldozing AP-42 5th ed. Aug04 Table 11.9.1
					1.10	0.47	0.20	0.09	

Silica Emissions

	lb/day	lb/hour	lb/year
Soil Fill Placement	0.66	0.03	240.74

*Assumes silica content of 60%

Soil Placement

Material	tpd	Silt Content (%)	Moisture Content
Soil		7.5	3.5

Wind Speed (mph)	4.9

Bulldozing	
Gross Productivity	400 LCY/hr
Correction Factor	0.747
	298.8 LCY/hr
Load Factor	0.8
Net Productivity	239.04 CY/hour
	411.1 tons per hour
Hours worked	0.27 hrs / day

Compaction	
Compacted width per pass	14.0 feet (twice width of one wheel - Cat563)
Average Speed	5.0 mph
Compacted thickness of lift	6.0 inches
Numer of passes	6.0
Productivity	1139 CCY/hr
	1823 tons/hr
Hours Worked	0.06 hours per day

Compacted y3 per hour

Volume	150,000 yd3
Bank Density	1.6 tons/yd3
Mass	240,000 tons
Duration	6 years
Production - Annual	40,000 tons per year
Production - Daily	110 tons per day

Compacted Fill Density	1.60 tons/yard

Engineered Fill Placement	Emission Factors (lb/ton)				Daily Emissions (lb/day)		Annual Emissions (tons/year)		Emmision Factor Source
	STPD	Annual TPY	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	
Vehicle Traffic - Unpaved Access Road	1,000	365,000	0.0187	0.0019	18.73	1.87	3.42	0.34	Unpaved Industrial Road AP-42 5th ed. Aug04 Section 13.2.2
Vehicle Traffic - Unpaved Compaction Area	1,000	365,000	0.0114	0.0011	11.42	1.14	2.08	0.21	Unpaved Industrial Road AP-42 5th ed. Aug04 Section 13.2.2
Material Handling - Truck Drop onsite	1,000	365,000	0.0001	0.0000	0.13	0.02	0.02	0.00	Material Drop AP-42 5th ed. Aug04 Section 13.2.4
Material Handling - Blending	1,000	365,000	0.0003	0.0000	0.27	0.04	0.05	0.01	Material Drop AP-42 5th ed. Aug04 Section 13.2.4
Bulldozer Spreading	1,000	365,000	0.0034	0.0015	3.40	1.51	0.62	0.28	Bulldozing AP-42 5th ed. Aug04 Table 11.9.1
Fill Compaction	1,000	365,000	0.0014	0.0006	1.43	0.63	0.26	0.12	Bulldozing AP-42 5th ed. Aug04 Table 11.9.1
Wind Erosion - Active Compaction Area	1,000	365,000	0.0026	0.0001	2.57	0.13	0.47	0.02	Wind Erosion AP-42 5th ed. Aug04 Table 11.9-4
					37.95	5.35	6.93	0.98	

Asbestos Emissions

	lb/day	lb/hour	lb/year
Engineered Fill Placement	3.54E-03	1.47E-04	1.29E+00

Assumes engineered fill won't exceed 0.01% by mass in accordance with the ASUR Plan.

Silica Emissions

	lb/day	lb/hour	lb/year
Engineered Fill Placement	21.23	0.88	7748.04

Engineered Fill Assumptions

Unpaved Access Road	Trips	Distance - (miles)	VMT	Averge Weight (tons)	
Haul Trucks	50		0.38	18.94	20.8
Soil Hauling onsite	11		0.19	2.08	20.8
Pickup Trucks	8		0.38	3.03	3.45
Water Trucks	4		0.38	1.52	17.8
Service Trucks	4		0.38	1.52	12.5
Weighted Average				27.08	18.2
Surface material silt content (%)	4.8				
Unpaved Compaction Area	Trips	Distance - (miles)	VMT	Averge Weight (tons)	
Haul Trucks	50		0.07	3.31	23
Water Trucks	4		0.50	2.00	16.5
Weighted Average				5.31	20.6
Surface material silt content (%)	16.6				

Material	tpd	Silt Content (%)	Moisture Content
Sand Tailings	500	31.5	15
Crushed Barren Rock	500	1.6	3
Engineered Fill - At Plant	1000	16.6	9
Engineered Fill - Wetted for Compaction			13

Wind Speed (mph)	4.9

Water trucks assumed to reduce particulate matter by 55% for 2x per day application, per CalEEMod 2016.3.2

Bulldozing	
Gross Productivity	400 LCY/hr
Correction Factor	0.747
	298.8 LCY/hr
Load Factor	0.8
Net Productivity	239.04 CY/hour
	411.1 tons per hour
Hours worked	2.43 hrs / day

Compaction		
Compacted width per pass	14.0 feet (twice width of one wheel - Cat563)	
Average Speed	5.0 mph	
Compacted thickness of lift	6.0 inches	
Numer of passes	12.0	
Productivity	570 CCY/hr	Compacted y3 per hour
	980 tons/hr	
Hours Worked	1.02 hours per day	

Water Truck - Compaction Area	
Application width	12 ft
Compaction Area	0.72 acres
VMT per application	0.50 miles
Applications per day	4
VTM per day	2.0 miles

Compacted Lift Thickness	0.5 feet
Compacted Fill Density	127.5 lbs/ft3
	1.72 tons/yard
Lift tonnage	1,388 tons/acre
Daily tonnage	1,000 tons
Area worked	0.72 acres per day

Area exposed to wind erosion	
Active Compaction Area	0.72 acres
Access Road	0.34 acres
Areas with seeded or covering underway	1.00 acres
	2.06 acres

***Logging/ Chipping OnSite
Activity***

Idaho-Maryland Mine Project
Logging/Chipping Emissions Summary - OnSite

Activity	Daily Emissions (lb/day)									Annual Emissions (tons/year) (Amortized over 11 Years)									
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	ROG	NOx	CO	SOx	PM10	PM2.5	CO2 MT/yr	CH4 MT/yr	N2O MT/yr	CO2e MT/yr
Year 2022																			
Logging/Chipping Off-Road Equipment	1.88	12.80	10.41	0.04	0.41	0.40	3789.04	0.60	0.27	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.00	0.00	1.10
Logging/Chipping On-Road Vehicles	0.03	0.32	0.21	0.00	0.13	0.03	57.10	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02
SUMMARY - MAXIMUM DAILY	1.91	13.12	10.63	0.04	0.54	0.43	3,846.13	0.60	0.28										
TOTAL - TONS										0.00	0.00	0.00	0.00	0.00	0.00				
TOTAL - METRIC TONS																1.09	0.00	0.00	1.13

Idaho-Maryland Mine Project
Off-Road Equipment Emissions - Diesel-Fueled

Activity	Equipment - Project-Specific Name	Equipment	# of Units	Hrs/Day	Days/ Month	Total Hours per Month	Category	Daily Emissions (lb/day)								Annual Emissions (tons/year)										
								ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2E
Tree Removal																										
Logging	Chainsaw	Concrete/Industrial Saws	4	6	10	240	Off-Road	0.42	2.54	1.45	0.00	0.08	0.08	351.19	0.04	0.02	0.000	0.001	0.001	0.000	0.000	0.000	0.160	0.000	0.000	0.16
Logging	Grapple Loader	Excavators	1	6	10	60	Off-Road	0.12	1.05	0.87	0.00	0.03	0.03	376.75	0.12	0.05	0.000	0.000	0.000	0.000	0.000	0.000	0.171	0.000	0.000	0.18
Logging	Front-end loader	Rubber Tired Loaders	1	6	10	60	Off-Road	0.22	2.16	1.15	0.00	0.07	0.06	456.49	0.15	0.07	0.000	0.001	0.001	0.000	0.000	0.000	0.207	0.000	0.000	0.22
Logging	Skidder	Skid Steer Loaders	1	6	10	60	Off-Road	0.08	1.01	1.59	0.00	0.03	0.03	230.27	0.07	0.03	0.000	0.000	0.001	0.000	0.000	0.000	0.105	0.000	0.000	0.11
Chipping	Grinder - Bandit Beast	Crushing/Proc. Equipment	1	4	5	20	Off-Road	0.88	4.53	3.67	0.02	0.14	0.14	1,954.39	0.08	0.04	0.000	0.001	0.001	0.000	0.000	0.000	0.444	0.000	0.000	0.45
Chipping	Excavator - Linkbelt 135	Excavators	1	4	5	20	Off-Road	0.07	0.73	1.03	0.00	0.03	0.03	138.58	0.04	0.02	0.000	0.000	0.000	0.000	0.000	0.000	0.031	0.000	0.000	0.03
Chipping	Excavator - Linkbelt 290	Excavators	1	4	5	20	Off-Road	0.09	0.78	0.65	0.00	0.02	0.02	281.37	0.09	0.04	0.000	0.000	0.000	0.000	0.000	0.000	0.064	0.000	0.000	0.07
Tree Removal		TOTAL					480	1.88	12.80	10.41	0.04	0.41	0.40	3,789.04	0.60	0.27	0.00	0.00	0.00	0.00	0.00	0.00	1.18	0.00	0.00	1.22
ANNUAL SUMMARY - MAXIMUM								1.88	12.80	10.41	0.04	0.41	0.40	3,789.04	0.60	0.27	0.00	0.00	0.00	0.00	0.00	0.00	1.18	0.00	0.00	1.22
ANNUAL TOTAL - METRIC TONS																						1.07	0.00	0.00	1.10	

Idaho-Maryland Mine Project
Off-Road Equipment Emission Factors

Project Phase	Equipment - Project-Specific Name	Equipment - OFFROAD Category	Year	HP	HP - Bin Max	Load Factor	Emission Factors (g-HP/hr)									Hourly Emission Rates (lb/hr)								
							ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
Year 2022	Tree Removal																							
Logging	Chainsaw	Concrete/Industrial Saws	2022	16	25	0.73	0.685	4.332	2.339	0.007	0.161	0.161	568.299	0.061	0.027	0.018	0.106	0.060	0.000	0.004	0.004	14.633	0.002	0.001
Logging	Grapple Loader	Excavators	2022	158	250	0.3819	0.148	1.386	1.092	0.005	0.044	0.040	472.041	0.153	0.068	0.020	0.175	0.145	0.001	0.005	0.005	62.791	0.020	0.009
Logging	Front-end loader	Rubber Tired Loaders	2022	203	250	0.3618	0.226	2.347	1.188	0.005	0.079	0.072	469.904	0.152	0.068	0.037	0.360	0.192	0.001	0.011	0.010	76.082	0.025	0.011
Logging	Skidder	Skid Steer Loaders	2022	100	120	0.37	0.164	2.189	3.270	0.005	0.081	0.075	472.432	0.153	0.068	0.013	0.169	0.266	0.000	0.006	0.005	38.378	0.012	0.006
Chipping	Grinder - Bandit Beast	Crushing/Proc. Equipment	2022	500	500	0.78	0.255	1.389	1.067	0.005	0.048	0.048	568.299	0.023	0.010	0.219	1.132	0.917	0.004	0.035	0.035	488.598	0.020	0.009
Chipping	Excavator - Linkbelt 135	Excavators	2022	88	120	0.3819	0.252	2.606	3.473	0.005	0.138	0.127	467.626	0.151	0.068	0.019	0.183	0.257	0.000	0.009	0.008	34.645	0.011	0.005
Chipping	Excavator - Linkbelt 290	Excavators	2022	177	250	0.3819	0.148	1.386	1.092	0.005	0.044	0.040	472.041	0.153	0.068	0.022	0.196	0.163	0.001	0.006	0.005	70.342	0.023	0.010

Operation Mobile Source Assumptions Summary

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Total Trips	Total VMT
Lumber Haul Trucks	HHDT	0.26	22	6	220	57
Chip Trucks	HHDT	0.26	6	2	30	8
Low Bed Trucks	HHDT	0.26	2	1	10	3
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	0.26	8	2	80	21

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Total Trips	Total VMT
Lumber Haul Trucks	HHDT	0.26	22	6	220	57
Chip Trucks	HHDT	0.26	6	2	30	8
Low Bed Trucks	HHDT	0.26	2	1	10	3
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	0.26	8	2	80	21

Project Vehicle	EMFAC Class	Max Daily Trips (trips/day)	Total Trips
Lumber Haul Trucks	HHDT	11	110
Chip Trucks	HHDT	3	15
Low Bed Trucks	HHDT	1	5
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	4	40

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Total Idling Minutes
Lumber Haul Trucks	HHDT	55	550
Chip Trucks	HHDT	15	75
Low Bed Trucks	HHDT	5	25
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	20	200

2022 Operation Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.00	0.04	0.00	0.00	0.00	0.00	0.00	17.89	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	4.88	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	0.00	0.00
0.00	0.01	0.01	0.00	0.00	0.00	0.00	3.50	0.00	0.00
Subtotal	0.00	0.07	0.01	0.00	0.00	0.00	27.90	0.00	0.00

PM10	PM2.5
Paved Road - PM only	
0.07	0.02
0.02	0.00
0.01	0.00
0.03	0.01
Subtotal	0.13

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.08	0.00	0.00
Subtotal	0.01	0.08	0.01	0.00	0.00	0.00	0.08	0.00	0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.01	0.10	0.10	0.00	0.00	0.00	0.00	18.69	0.00	0.00
0.00	0.03	0.03	0.00	0.00	0.00	0.00	5.10	0.00	0.00
0.00	0.01	0.01	0.00	0.00	0.00	0.00	1.70	0.00	0.00
0.01	0.04	0.05	0.00	0.00	0.00	0.00	3.63	0.00	0.00
Subtotal	0.02	0.17	0.19	0.00	0.00	0.00	29.12	0.00	0.00

TOTAL	0.03	0.32	0.21	0.00	0.13	0.03	57.10	0.00	0.01

Operation Mobile Source Assumptions Summary

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Total Trips	Total VMT
Lumber Haul Trucks	HHDT	0.26	22	6	220	57
Chip Trucks	HHDT	0.26	6	2	30	8
Low Bed Trucks	HHDT	0.26	2	1	10	3
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	0.26	8	2	80	21

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Total Trips	Total VMT
Lumber Haul Trucks	HHDT	0.26	22	6	220	57
Chip Trucks	HHDT	0.26	6	2	30	8
Low Bed Trucks	HHDT	0.26	2	1	10	3
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	0.26	8	2	80	21

Project Vehicle	EMFAC Class	Max Daily Trips (trips/day)	Total Trips
Lumber Haul Trucks	HHDT	11	110
Chip Trucks	HHDT	3	15
Low Bed Trucks	HHDT	1	5
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	4	40

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Total Idling Minutes
Lumber Haul Trucks	HHDT	55	550
Chip Trucks	HHDT	15	75
Low Bed Trucks	HHDT	5	25
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	20	200

Operation Mobile Source Emissions Summary - Annual Emissions (Amortized over 11 Year Duration)

Emissions - Annual									
(Tons/Year)					(Metric Tons/Year)				
ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

PM10	PM2.5
Paved Road - PM only	
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
Subtotal	0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02

2022 Operation Mobile Source Emissions Factors - EMFAC2017
Emission Factors: Summary

Project Vehicle	Vehicle Classes	Fuel	Speed	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
				Running Exhaust, Tire Wear, and Break Wear (grams/mile)								
Lumber Haul Trucks	HHDT	Diesel	Aggregate	0.061	3.332	0.308	0.002	0.132	0.069	1,418.844	0.003	0.223
Chip Trucks	HHDT	Diesel	Aggregate	0.061	3.332	0.308	0.002	0.132	0.069	1,418.844	0.003	0.223
Low Bed Trucks	HHDT	Diesel	Aggregate	0.061	3.332	0.308	0.002	0.132	0.069	1,418.844	0.003	0.223
Water Trucks	MHDT	Diesel	5 mph	0.685	8.631	1.651	0.023	0.217	0.130	2,410.834	0.032	0.379
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	Gas, Diesel (Aggregate)	Aggregate	0.197	2.656	1.738	0.007	0.117	0.063	764.014	0.017	0.070

Project Vehicle	Vehicle Classes	PM10 PM2.5	
		Paved Road - PM Only (grams/mile)	
Lumber Haul Trucks	HHDT	5.786	1.420
Chip Trucks	HHDT	5.786	1.420
Low Bed Trucks	HHDT	5.786	1.420
Water Trucks	MHDT	5.786	1.420
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	5.786	1.420

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap (grams/trip)								
Lumber Haul Trucks	HHDT	Diesel	0.000	2.270	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chip Trucks	HHDT	Diesel	0.000	2.270	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Low Bed Trucks	HHDT	Diesel	0.000	2.270	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water Trucks	MHDT	Diesel	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	Gas, Diesel (Aggregate)	1.202	0.244	1.043	0.000	0.000	0.000	8.534	0.014	0.017

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Idling (grams/Idle-min/vehicle)								
Lumber Haul Trucks	HHDT	Diesel	0.062	0.802	0.866	0.000	0.000	0.000	154.166	0.003	0.024
Chip Trucks	HHDT	Diesel	0.062	0.802	0.866	0.000	0.000	0.000	154.166	0.003	0.024
Low Bed Trucks	HHDT	Diesel	0.062	0.802	0.866	0.000	0.000	0.000	154.166	0.003	0.024
Water Trucks	MHDT	Diesel	0.000	0.000	0.000	0.000	0.004	0.004	0.000	0.000	0.000
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	Gas, Diesel (Aggregate)	0.138	0.884	1.120	0.001	0.010	0.010	82.290	0.027	0.009

Operation Mobile Source Emissions Factors - EMFAC2017 ROG

								STEX HOTSOAK RUNLOSS ROG RESTLOSS									
Region	CalYr	VehClass	Fuel	Speed	Population	VTM	Trips	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_RESTLOSS	ROG_DIURN	ROG_RESTLOSS - Calculated	ROG_DIURN - Calculated	DIURN_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)	(g/vehicle/day)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (Agg)	0.061453538 0.0615	6.790248031 6.7902	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	-	-	0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.119189759 0.1192	0.132560475 0.1326	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	-	-	0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	0.684701734 0.6847									
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.161437447	0.457872227	0.186536017	0.261273242	2.527399415	0.030304906	0.08291958			
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.233234379	0.109759705	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.061335599	0.456686596	0.157561898	0.156252384	1.147098882	0.018590698	0.047186299			
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.187300062	0.109759705	0	0	0	0	0			
LHDT1 & LHDT2 Composite								0.1973	0.2415	0.0773	0.1062	1.0158	0.0111	0.0304	0.000828	0.002257	1.2023
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.01351942	0	0.340518542	0.143835254	0.283570011	0.142351135	0.253361934			
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.023183727	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0	0.004888026	0	0.003310354	0.014423169			
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.038420501	0	0.57320665	0.297246079	1.179465326	0.304932505	0.570871232			
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.195542896	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.004888026	0	0.003290504	0.014322345			
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.034824933	0	0.625335427	0.258618407	0.977886454	0.282007847	0.508333692			
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.024969151	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.004888026	0	0.003294658	0.014389976			
LDA, LDT1, LDT2 Composite								0.0225	0.0000	0.4509	0.1937	0.5955	0.2034	0.3670	0.044634	0.080541	1.3653

EMFAC2017 (v1.0.2) Emission Rates
Region Type: Air District
Region: NORTHERN SIERRA AQMD
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN
Model Year: Aggregated

Notes:
Idle Duration:
HHDT 109.4 min/day
MHDT 5.86 min/day
LHDT1 1.74 min/day
LHDT2 1.87 min/day

Operation Mobile Source Emissions Factors - EMFAC2017 NOx

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	NOx_RUNEX (g/mile)	NOx_IDLEX (g/vehicle/day)	NOx_STREX (g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (Agg)	3.331733146 3.3317	87.69254151 87.6925	2.27038666 2.2704
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	3.099896593 3.0999	10.57994343 10.5799	1.578326118 1.5783
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	8.631284275 8.6313		
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.597389897	0.040175481	0.582943798
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	4.217738077	2.495458771	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.334903587	0.039868172	0.565512988
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	2.640230252	2.447491009	0
							LHDT1 & LHDT2 Composite	2.6556	1.5597	0.2438
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.054149203	0	0.239172649
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.151569446	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.154657433	0	0.357290764
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	1.103724027	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.186146819	0	0.498126837
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.129778306	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
							LDA, LDT1, LDT2 Composite	0.1060	0.0000	0.3325

Operation Mobile Source Emissions Factors - EMFAC2017 CO

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CO_RUNEX (g/mile)	CO_IDLEX (g/vehicle/day)	CO_STREX (g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (Agg)	0.30835635 0.3084	94.69541473 94.6954	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.367880438 0.3679	2.558658057 2.5587	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	1.650945968 1.6509		
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	3.063106934	3.691048241	2.526020526
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	1.100655173	0.909745076	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	1.158736331	3.749368772	2.021138387
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.900138517	0.909745076	0
							LHDT1 & LHDT2 Composite	1.7382	1.9645	1.0429
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.773547174	0	2.803486655
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.331204271	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	1.603428846	0	3.194037665
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	1.104904812	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	1.502814235	0	3.754888081
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.225375175	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
							LDA, LDT1, LDT2 Composite	1.0676	0.0000	3.0982

Operation Mobile Source Emissions Factors - EMFAC2017 SO2

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	SO2_RUNEX (g/mile)	SO2_IDLEX (g/vehicle/day)	SO2_STREX (g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (Agg)	0.002036592 0.0020	0 0.0000	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.010434433 0.0104	0.010319705 0.0103	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	0.022776362 0.0228		
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.01025436	0.00122264	0.000200054
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.005519034	0.001332811	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.011583948	0.001399297	0.000218633
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.006136088 0.0074	0.002122385 0.0014	0 0.0001
LHDT1 & LHDT2 Composite										
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.002670622	0	0.000567658
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.002036592	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.003247803	0	0.000695928
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.003837599	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.00361364	0	0.000788713
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.002780688	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
LDA, LDT1, LDT2 Composite								0.0030	0.0000	0.0006

Operation Mobile Source Emissions Factors - EMFAC2017 PM10

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW	PM10_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/mile)	(g/mile)	(g/mile)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (Agg)	0.035313386 0.0353	0.052483433 0.0525	0 0.0000	0.035659411 0.0357	0.06115589 0.0612	0.132128
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.046086105 0.0461	0.026298805 0.0263	0 0.0000	0.012000003 0.0120	0.130340037 0.1303	0.188426
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	0.074577328 0.0746	0.0263	0.0000	0.0120	0.1303	0.216917
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.00370598	0	0.000707516	0.008000002	0.076440022	
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.044078381	0.028649169	0	0.012000003	0.076440022	
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.002348244	0	0.000417194	0.008000002	0.089180026	
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.033452518	0.027670296	0	0.012000003	0.089180026	
							LHDT1 & LHDT2 Composite	0.0277	0.0177	0.0003	0.0105	0.0786	0.116783
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.001686765	0	0.002147389	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.010873504	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.002443141	0	0.002971545	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.167289894	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.001907051	0	0.002360081	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.009303885	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.008000002	0.036750011	
							LDA, LDT1, LDT2 Composite	0.0019	0.0000	0.0022	0.0080	0.0368	0.046654

Operation Mobile Source Emissions Factors - EMFAC2017 PM2.5

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	PM2.5_RUNEX	PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW	PM2.5_Combined Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/mile)	(g/mile)	(g/mile)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (Agg)	0.033785745 0.0338	0.050213023 0.0502	0 0.0000	0.008914853 0.0089	0.026209667 0.0262	0.068911
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.044092441 0.0441	0.02516113 0.0252	0 0.0000	0.003000001 0.0030	0.055860016 0.0559	0.102952
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	0.071351145 0.0714	0.0252	0.0000	0.0030	0.0559	0.130211
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.003407512	0	0.000650535	0.002000001	0.032760009	
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.042171569	0.027409818	0	0.003000001	0.032760009	
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.002159123	0	0.000383595	0.002000001	0.038220011	
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.032005377	0.026473291	0	0.003000001	0.038220011	
							LHDT1 & LHDT2 Composite	0.0264	0.0169	0.0003	0.0026	0.0337	0.062734
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.001550941	0	0.001974574	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.010403121	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.002246693	0	0.002732871	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.160053007	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.001753563	0	0.002170224	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.008901403	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.002000001	0.015750005	
							LDA, LDT1, LDT2 Composite	0.0018	0.0000	0.0021	0.0020	0.0158	0.019505

Operation Mobile Source Emissions Factors - EMFAC2017 CO2

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX
								(g/mile)	(g/vehicle/day)	(g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12	1418.843707	16865.77038	0
							HHDT (Agg)	1418.8437	16865.7704	0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53	1104.464534	1092.320787	0
							MHDT	1104.4645	1092.3208	0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29		2410.833766		
							MHDT (5 mph)	2410.8338		
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	1036.232459	123.5512732	20.21601117
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	583.8025626	140.9845162	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	1170.591143	141.4030114	22.09349863
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	649.0744556	224.5055938	0
							LHDT1 & LHDT2 Composite	764.0135	145.4369	8.5341
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	269.8739551	0	57.363505
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	215.4304511	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	328.1998322	0	70.32549898
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	405.9406363	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	365.1686728	0	79.70172039
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	294.1408014	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
							LDA, LDT1, LDT2 Composite	301.9326	0.0000	64.8270

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 CH4

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CH4_RUNEX (g/mile)	CH4_IDLEX (g/vehicle/day)	CH4_STREX (g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (Agg)	0.002854358 0.0029	0.315389434 0.3154	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.005536056 0.0055	0.006157091 0.0062	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	0.031802622 0.0318		
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.030702644	0.116936408	0.03453008
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.010833291	0.005098128	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.012653058	0.123729312	0.030674902
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.00869973	0.005098128	0
							LHDT1 & LHDT2 Composite	0.0173	0.0476	0.0144
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.003291837	0	0.070737876
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.00107684	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.00834562	0	0.107162584
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.009082594	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.00771636	0	0.118737186
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.001159769	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
							LDA, LDT1, LDT2 Composite	0.0051	0.0000	0.0888

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 N2O

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	N2O_RUNEX (g/mile)	N2O_IDLEX (g/vehicle/day)	N2O_STREX (g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (Agg)	0.223022472 0.2230	2.651064235 2.6511	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.173606444 0.1736	0.171697616 0.1717	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	0.378949495 0.3789		
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.03049803	0.002796811	0.04047375
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.091765633	0.022160803	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.01997851	0.00303929	0.041992117
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.102025466	0.035289153	0
							LHDT1 & LHDT2 Composite	0.0702	0.0165	0.0170
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.005522065	0	0.029540927
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.033862667	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.01080502	0	0.03477133
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.063808215	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.01210525	0	0.043413141
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.046234838	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
							LDA, LDT1, LDT2 Composite	0.0084	0.0000	0.0341

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Paved Road Fugitive Emissions - Operation Mobile Sources

Equation:

$$E = k \times (sL/2)^{0.91} \times (W)1.02 \text{ [maximum day]}$$

Where:

		Units
k	particle size multiplier (PM ₁₀)	0.00220 lb/VMT
k	particle size multiplier (PM _{2.5})	0.00054 lb/VMT
sL	silt loading	0.6 g/m ²
W	average weight (tons) of the vehicle traveling the road	8.8 tons

Notes/References:

k = Emission factors from CalEEMod2020.4.0 per AP-42, Section 13.2.1 (Paved Roads).

sL = silt loading per AP-42, Section 13.2.1 (Paved Roads).

W = Average vehicle weight calculated for the project site per AP-42, Section 13.2.1 (Paved Roads) equation.

For daily emissions it is assumed to have no precipitation.

Per AP-42, Section 13.2.1 (Paved Roads): The above equation calls for the average weight of all vehicles traveling the road. For example, if 99 percent of traffic on the road are 2 ton cars/trucks while the remaining 1 percent consists of 20 ton trucks, then the mean weight "W" is 2.2 tons. More specifically, the above equation is not intended to be used to calculate a separate emission factor for each vehicle weight class. Instead, only one emission factor should be calculated to represent the "fleet" average weight of all vehicles traveling the road.

Vehicle	Average Daily Trips	Total Distance (miles)	Total Vehicle Miles Traveled	Weight (tons)
Haul Trucks	50	0.82	41	20.8
Freight Trucks	0.43	0.52	0	27.5
Concentrate Trucks	1.0	0.52	1	27.5
Explosives Trucks	0.14	0.52	0	27.5
Fuel Trucks	0.15	0.52	0	27.5
Cement Trucks	1.28	0.52	1	27.5
Outside Services (light vehicles)	3.0	0.52	2	12.5
Light Trucks	80	0.52	41	3.45
Employee Vehicles	325	0.12	38	2.25
Forklifts			60	5
Wheel Loader	150	0.05	7	33
Weighted Average			191	8.8

Emission Factors	PM10 Paved Road (lb/VMT)	PM2.5 Paved Road (lb/VMT)	PM10 Paved Road (g/VMT)	PM2.5 Paved Road (g/VMT)
All Vehicles	0.0128	0.0031	5.7858	1.4202

***Logging/ Chipping OnRoad
OffSite***

Idaho-Maryland Mine Project
Logging/Chipping Emissions Summary - Offsite Vehicle Travel

Activity	Daily Emissions (lb/day)										Annual Emissions (tons/year) (Amortized over 11 Years)									
	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O		ROG	NOx	CO	SOx	PM10	PM2.5	CO2 MT/yr	CH4 MT/yr	N2O MT/yr	CO2e MT/yr
Year 2022																				
Logging/Chipping On-Road Vehicles	0.58	27.89	3.15	0.02	3.60	1.19	11707.10	0.03	1.83		0.00	0.01	0.00	0.00	0.00	0.00	4.52	0.00	0.00	4.73
SUMMARY - MAXIMUM DAILY	0.58	27.89	3.15	0.02	3.60	1.19	11,707.10	0.03	1.83											
TOTAL - TONS											0.00	0.01	0.00	0.00	0.00	0.00				
TOTAL - METRIC TONS																	4.52	0.00	0.00	4.73

Operation Mobile Source Assumptions Summary

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Total Trips	Total VMT
Lumber Haul Trucks	HHDT	145	22	3,190	220	31,900
Chip Trucks	HHDT	60	6	360	30	1,800
Low Bed Trucks	HHDT	60	2	120	10	600
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	14.7	8	118	80	1,176

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Total Trips	Total VMT
Lumber Haul Trucks	HHDT	145	22	3,190	220	31,900
Chip Trucks	HHDT	60	6	360	30	1,800
Low Bed Trucks	HHDT	60	2	120	10	600
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	14.7	8	118	80	1,176

Project Vehicle	EMFAC Class	Max Daily Trips (trips/day)	Total Trips
Lumber Haul Trucks	HHDT	11	110
Chip Trucks	HHDT	3	15
Low Bed Trucks	HHDT	1	5
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	4	40

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Total Idling Minutes
Lumber Haul Trucks	HHDT	55	550
Chip Trucks	HHDT	15	75
Low Bed Trucks	HHDT	5	25
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	20	200

2022 Operation Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Running Exhaust, Tire Wear, and Break Wear									
0.43	23.43	2.17	0.01	0.93	0.48	9,978.38	0.02	1.57	10,446.28
0.05	2.64	0.24	0.00	0.10	0.05	1,126.09	0.00	0.18	1,178.89
0.02	0.88	0.08	0.00	0.03	0.02	375.36	0.00	0.06	392.96
0.05	0.69	0.45	0.00	0.03	0.02	198.08	0.00	0.02	203.62
Subtotal	0.55	27.65	2.95	0.02	1.10	11,677.91	0.03	1.82	12,221.75

PM10	PM2.5
Paved Road - PM only	
2.11	0.52
0.24	0.06
0.08	0.02
0.08	0.02
Subtotal	2.50
0.61	

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.08	0.00	0.12
Subtotal	0.01	0.08	0.01	0.00	0.00	0.00	0.08	0.00	0.12

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.01	0.10	0.10	0.00	0.00	0.00	18.69	0.00	0.00	19.58
0.00	0.03	0.03	0.00	0.00	0.00	5.10	0.00	0.00	5.34
0.00	0.01	0.01	0.00	0.00	0.00	1.70	0.00	0.00	1.78
0.01	0.04	0.05	0.00	0.00	0.00	3.63	0.00	0.00	3.78
Subtotal	0.02	0.17	0.19	0.00	0.00	29.12	0.00	0.00	30.48

TOTAL	0.58	27.89	3.15	0.02	3.60	1.19	11,707.10	0.03	1.83	12,252.35

Operation Mobile Source Assumptions Summary

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Total Trips	Total VMT
Lumber Haul Trucks	HHDT	145	22	3,190	220	31,900
Chip Trucks	HHDT	60	6	360	30	1,800
Low Bed Trucks	HHDT	60	2	120	10	600
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	14.7	8	118	80	1,176

Project Vehicle	EMFAC Class	Average Daily Trip Length (miles)	Max Daily Trips (trips/day)	Max Daily VMT (VMT/day)	Total Trips	Total VMT
Lumber Haul Trucks	HHDT	145	22	3,190	220	31,900
Chip Trucks	HHDT	60	6	360	30	1,800
Low Bed Trucks	HHDT	60	2	120	10	600
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	14.7	8	118	80	1,176

Project Vehicle	EMFAC Class	Max Daily Trips (trips/day)	Total Trips
Lumber Haul Trucks	HHDT	11	110
Chip Trucks	HHDT	3	15
Low Bed Trucks	HHDT	1	5
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	4	40

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Total Idling Minutes
Lumber Haul Trucks	HHDT	55	550
Chip Trucks	HHDT	15	75
Low Bed Trucks	HHDT	5	25
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	20	200

Operation Mobile Source Emissions Summary - Annual Emissions (Amortized over 11 Year Duration)

Emissions - Annual										
(Tons/Year)						(Metric Tons/Year)				
ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e	
Running Exhaust, Tire Wear, and Break Wear										
	0.00	0.01	0.00	0.00	0.00	0.00	4.11	0.00	0.00	4.31
	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.24
	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.08
	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.08
	0.00	0.01	0.00	0.00	0.00	0.00	4.51	0.00	0.00	4.72

	PM10	PM2.5
Paved Road - PM only		
	0.00	0.00
	0.00	0.00
	0.00	0.00
	0.00	0.00
	0.00	0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling									
0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
0.00	0.01	0.00	0.00	0.00	0.00	4.52	0.00	0.00	4.73

Operation Mobile Source Emissions Factors - EMFAC2017

Emission Factors: Summary

Project Vehicle	Vehicle Classes	Fuel	Speed	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
				Running Exhaust, Tire Wear, and Break Wear (grams/mile)								
Lumber Haul Trucks	HHDT	Diesel	Aggregate	0.061	3.332	0.308	0.002	0.132	0.069	1,418.844	0.003	0.223
Chip Trucks	HHDT	Diesel	Aggregate	0.061	3.332	0.308	0.002	0.132	0.069	1,418.844	0.003	0.223
Low Bed Trucks	HHDT	Diesel	Aggregate	0.061	3.332	0.308	0.002	0.132	0.069	1,418.844	0.003	0.223
Water Trucks	MHDT	Diesel	5 mph	0.685	8.631	1.651	0.023	0.217	0.130	2,410.834	0.032	0.379
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	Gas, Diesel (Aggregate)	Aggregate	0.197	2.656	1.738	0.007	0.117	0.063	764.014	0.017	0.070

Project Vehicle	Vehicle Classes	PM10 PM2.5	
		Paved Road - PM Only (grams/mile)	
Lumber Haul Trucks	HHDT	0.300	0.074
Chip Trucks	HHDT	0.300	0.074
Low Bed Trucks	HHDT	0.300	0.074
Water Trucks	MHDT	0.300	0.074
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	0.300	0.074

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap (grams/trip)								
Lumber Haul Trucks	HHDT	Diesel	0.000	2.270	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chip Trucks	HHDT	Diesel	0.000	2.270	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Low Bed Trucks	HHDT	Diesel	0.000	2.270	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water Trucks	MHDT	Diesel	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	Gas, Diesel (Aggregate)	1.202	0.244	1.043	0.000	0.000	0.000	8.534	0.014	0.017

Project Vehicle	Vehicle Classes	Fuel	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O
			Idling (grams/Idle-min/vehicle)								
Lumber Haul Trucks	HHDT	Diesel	0.062	0.802	0.866	0.000	0.000	0.000	154.166	0.003	0.024
Chip Trucks	HHDT	Diesel	0.062	0.802	0.866	0.000	0.000	0.000	154.166	0.003	0.024
Low Bed Trucks	HHDT	Diesel	0.062	0.802	0.866	0.000	0.000	0.000	154.166	0.003	0.024
Water Trucks	MHDT	Diesel	0.000	0.000	0.000	0.000	0.004	0.004	0.000	0.000	0.000
Crew/ Service Trucks	LHDT1 & LHDT2 Composite	Gas, Diesel (Aggregate)	0.138	0.884	1.120	0.001	0.010	0.010	82.290	0.027	0.009

Operation Mobile Source Emissions Factors - EMFAC2017 ROG

								STEX HOTSOAK RUNLOSS ROG RESTLOSS									
Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_RESTLOSS	ROG_DIURN	ROG_RESTLOSS - Calculated	ROG_DIURN - Calculated	DIURN_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)	(g/vehicle/day)	(g/vehicle/day)	(g/trip)	(g/trip)	(g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (Agg)	0.061453538 0.0615	6.790248031 6.7902	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	-	-	0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.119189759 0.1192	0.132560475 0.1326	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	-	-	0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	0.684701734 0.6847									
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.161437447	0.457872227	0.186536017	0.261273242	2.527399415	0.030304906	0.08291958			
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.233234379	0.109759705	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.061335599	0.456686596	0.157561898	0.156252384	1.147098882	0.018590698	0.047186299			
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.187300062	0.109759705	0	0	0	0	0			
LHDT1 & LHDT2 Composite								0.1973	0.2415	0.0773	0.1062	1.0158	0.0111	0.0304	0.000828	0.002257	1.2023
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.01351942	0	0.340518542	0.143835254	0.283570011	0.142351135	0.253361934			
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.023183727	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0	0.004888026	0	0.003310354	0.014423169			
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.038420501	0	0.57320665	0.297246079	1.179465326	0.304932505	0.570871232			
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.195542896	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.004888026	0	0.003290504	0.014322345			
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.034824933	0	0.625335427	0.258618407	0.977886454	0.282007847	0.508333692			
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.024969151	0	0	0	0	0	0			
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.004888026	0	0.003294658	0.014389976			
LDA, LDT1, LDT2 Composite								0.0225	0.0000	0.4509	0.1937	0.5955	0.2034	0.3670	0.044634	0.080541	1.3653

EMFAC2017 (v1.0.2) Emission Rates
Region Type: Air District
Region: NORTHERN SIERRA AQMD
Calendar Year: 2022
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN
Model Year: Aggregated

Notes:
Idle Duration:
HHDT 109.4 min/day
MHDT 5.86 min/day
LHDT1 1.74 min/day
LHDT2 1.87 min/day

Operation Mobile Source Emissions Factors - EMFAC2017 NOx

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	NOx_RUNEX (g/mile)	NOx_IDLEX (g/vehicle/day)	NOx_STREX (g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (Agg)	3.331733146 3.3317	87.69254151 87.6925	2.27038666 2.2704
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	3.099896593 3.0999	10.57994343 10.5799	1.578326118 1.5783
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	8.631284275 8.6313		
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.597389897	0.040175481	0.582943798
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	4.217738077	2.495458771	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.334903587	0.039868172	0.565512988
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	2.640230252	2.447491009	0
							LHDT1 & LHDT2 Composite	2.6556	1.5597	0.2438
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.054149203	0	0.239172649
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.151569446	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.154657433	0	0.357290764
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	1.103724027	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.186146819	0	0.498126837
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.129778306	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
							LDA, LDT1, LDT2 Composite	0.1060	0.0000	0.3325

Operation Mobile Source Emissions Factors - EMFAC2017 CO

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CO_RUNEX (g/mile)	CO_IDLEX (g/vehicle/day)	CO_STREX (g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (Agg)	0.30835635 0.3084	94.69541473 94.6954	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.367880438 0.3679	2.558658057 2.5587	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	1.650945968 1.6509		
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	3.063106934	3.691048241	2.526020526
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	1.100655173	0.909745076	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	1.158736331	3.749368772	2.021138387
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.900138517	0.909745076	0
							LHDT1 & LHDT2 Composite	1.7382	1.9645	1.0429
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.773547174	0	2.803486655
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.331204271	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	1.603428846	0	3.194037665
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	1.104904812	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	1.502814235	0	3.754888081
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.225375175	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
							LDA, LDT1, LDT2 Composite	1.0676	0.0000	3.0982

Operation Mobile Source Emissions Factors - EMFAC2017 SO2

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	SO2_RUNEX (g/mile)	SO2_IDLEX (g/vehicle/day)	SO2_STREX (g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (Agg)	0.002036592 0.0020	0 0.0000	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.010434433 0.0104	0.010319705 0.0103	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	0.022776362 0.0228		
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.01025436	0.00122264	0.000200054
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.005519034	0.001332811	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.011583948	0.001399297	0.000218633
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.006136088	0.002122385	0
							LHDT1 & LHDT2 Composite	0.0074	0.0014	0.0001
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.002670622	0	0.000567658
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.002036592	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.003247803	0	0.000695928
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.003837599	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.00361364	0	0.000788713
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.002780688	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
							LDA, LDT1, LDT2 Composite	0.0030	0.0000	0.0006

Operation Mobile Source Emissions Factors - EMFAC2017 PM10

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW	PM10_Combined - Calculated
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/mile)	(g/mile)	(g/mile)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (Agg)	0.035313386 0.0353	0.052483433 0.0525	0 0.0000	0.035659411 0.0357	0.06115589 0.0612	0.132128
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.046086105 0.0461	0.026298805 0.0263	0 0.0000	0.012000003 0.0120	0.130340037 0.1303	0.188426
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	0.074577328 0.0746	0.0263	0.0000	0.0120	0.1303	0.216917
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.00370598	0	0.000707516	0.008000002	0.076440022	
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.044078381	0.028649169	0	0.012000003	0.076440022	
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.002348244	0	0.000417194	0.008000002	0.089180026	
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.033452518	0.027670296	0	0.012000003	0.089180026	
							LHDT1 & LHDT2 Composite	0.0277	0.0177	0.0003	0.0105	0.0786	0.116783
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.001686765	0	0.002147389	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.010873504	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.002443141	0	0.002971545	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.167289894	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.001907051	0	0.002360081	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.009303885	0	0	0.008000002	0.036750011	
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.008000002	0.036750011	
							LDA, LDT1, LDT2 Composite	0.0019	0.0000	0.0022	0.0080	0.0368	0.046654

Operation Mobile Source Emissions Factors - EMFAC2017 PM2.5

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	PM2.5_RUNEX	PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW	PM2.5_Combined
								(g/mile)	(g/vehicle/day)	(g/trip)	(g/mile)	(g/mile)	Calculated
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12	0.033785745	0.050213023	0	0.008914853	0.026209667	0.068911
							HHDT (Agg)	0.0338	0.0502	0.0000	0.0089	0.0262	
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53	0.044092441	0.02516113	0	0.003000001	0.055860016	0.102952
							MHDT	0.0441	0.0252	0.0000	0.0030	0.0559	
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29		0.071351145					0.130211
							MHDT (5 mph)	0.0714	0.0252	0.0000	0.0030	0.0559	
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.003407512	0	0.000650535	0.002000001	0.032760009	0.062734
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.042171569	0.027409818	0	0.003000001	0.032760009	
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.002159123	0	0.000383595	0.002000001	0.038220011	
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.032005377	0.026473291	0	0.003000001	0.038220011	
							LHDT1 & LHDT2 Composite	0.0264	0.0169	0.0003	0.0026	0.0337	
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.001550941	0	0.001974574	0.002000001	0.015750005	0.019505
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.010403121	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.002246693	0	0.002732871	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.160053007	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.001753563	0	0.002170224	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.008901403	0	0	0.002000001	0.015750005	
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0	0.002000001	0.015750005	
							LDA, LDT1, LDT2 Composite	0.0018	0.0000	0.0021	0.0020	0.0158	

Operation Mobile Source Emissions Factors - EMFAC2017 CO2

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX
								(g/mile)	(g/vehicle/day)	(g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12	1418.843707	16865.77038	0
							HHDT (Agg)	1418.8437	16865.7704	0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53	1104.464534	1092.320787	0
							MHDT	1104.4645	1092.3208	0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29		2410.833766		
							MHDT (5 mph)	2410.8338		
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	1036.232459	123.5512732	20.21601117
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	583.8025626	140.9845162	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	1170.591143	141.4030114	22.09349863
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	649.0744556	224.5055938	0
							LHDT1 & LHDT2 Composite	764.0135	145.4369	8.5341
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	269.8739551	0	57.363505
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	215.4304511	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	328.1998322	0	70.32549898
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	405.9406363	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	365.1686728	0	79.70172039
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	294.1408014	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
							LDA, LDT1, LDT2 Composite	301.9326	0.0000	64.8270

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 CH4

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	CH4_RUNEX (g/mile)	CH4_IDLEX (g/vehicle/day)	CH4_STREX (g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (Agg)	0.002854358 0.0029	0.315389434 0.3154	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.005536056 0.0055	0.006157091 0.0062	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	0.031802622 0.0318		
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.030702644	0.116936408	0.03453008
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.010833291	0.005098128	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.012653058	0.123729312	0.030674902
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.00869973	0.005098128	0
							LHDT1 & LHDT2 Composite	0.0173	0.0476	0.0144
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.003291837	0	0.070737876
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.00107684	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.00834562	0	0.107162584
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.009082594	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.00771636	0	0.118737186
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.001159769	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
							LDA, LDT1, LDT2 Composite	0.0051	0.0000	0.0888

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT	109.4	min/day
MHDT	5.86	min/day
LHDT1	1.74	min/day
LHDT2	1.87	min/day

Operation Mobile Source Emissions Factors - EMFAC2017 N2O

Region	CalYr	VehClass	Fuel	Speed	Population	VMT	Trips	N2O_RUNEX (g/mile)	N2O_IDLEX (g/vehicle/day)	N2O_STREX (g/trip)
NORTHERN SIERRA AQMD	2022	HHDT	DSL	Aggregate	1,831.43	230,856.04	19,317.12 HHDT (Agg)	0.223022472 0.2230	2.651064235 2.6511	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	Aggregate	970.08	54,563.14	7,947.53 MHDT	0.173606444 0.1736	0.171697616 0.1717	0 0.0000
NORTHERN SIERRA AQMD	2022	MHDT	DSL	5		2,605.29	MHDT (5 mph)	0.378949495 0.3789		
NORTHERN SIERRA AQMD	2022	LHDT1	GAS	Aggregate	3,242.81	99,334.03	48,313.10	0.03049803	0.002796811	0.04047375
NORTHERN SIERRA AQMD	2022	LHDT1	DSL	Aggregate	4,587.19	144,872.10	57,701.08	0.091765633	0.022160803	0
NORTHERN SIERRA AQMD	2022	LHDT2	GAS	Aggregate	265.20	9,157.58	3,951.05	0.01997851	0.00303929	0.041992117
NORTHERN SIERRA AQMD	2022	LHDT2	DSL	Aggregate	1,169.42	40,511.30	14,709.82	0.102025466 0.0702	0.035289153 0.0165	0 0.0170
NORTHERN SIERRA AQMD	2022	LDA	GAS	Aggregate	51,289.83	2,032,564.74	238,195.53	0.005522065	0	0.029540927
NORTHERN SIERRA AQMD	2022	LDA	DSL	Aggregate	818.26	30,547.82	3,705.19	0.033862667	0	0
NORTHERN SIERRA AQMD	2022	LDA	ELEC	Aggregate	896.52	39,463.46	4,471.90	0	0	0
NORTHERN SIERRA AQMD	2022	LDT1	GAS	Aggregate	9,149.29	318,194.84	40,454.47	0.01080502	0	0.03477133
NORTHERN SIERRA AQMD	2022	LDT1	DSL	Aggregate	9.90	147.77	31.20	0.063808215	0	0
NORTHERN SIERRA AQMD	2022	LDT1	ELEC	Aggregate	31.30	1,431.26	157.94	0	0	0
NORTHERN SIERRA AQMD	2022	LDT2	GAS	Aggregate	33,329.82	1,161,193.19	148,108.99	0.01210525	0	0.043413141
NORTHERN SIERRA AQMD	2022	LDT2	DSL	Aggregate	182.44	7,724.04	871.17	0.046234838	0	0
NORTHERN SIERRA AQMD	2022	LDT2	ELEC	Aggregate	149.23	5,270.28	754.56	0	0	0
							LDA, LDT1, LDT2 Composite	0.0084	0.0000	0.0341

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air District

Region: NORTHERN SIERRA AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN

Model Year: Aggregated

Notes:

Idle Duration:

HHDT 109.4 min/day

MHDT 5.86 min/day

LHDT1 1.74 min/day

LHDT2 1.87 min/day

Paved Road Fugitive Emissions - Operation Mobile Sources

Equation:

$$E = k \times (sL/2)^{0.91} \times (W)1.02 \text{ [maximum day]}$$

Where:

		Units
k	particle size multiplier (PM ₁₀)	0.00220 lb/VMT
k	particle size multiplier (PM _{2.5})	0.00054 lb/VMT
sL	silt loading (high ADT roads)	0.1 g/m ²
W	average weight (tons) of the vehicle traveling the road	2.4 tons

Notes/References:

k = Emission factors from CalEEMod2020.4.0 per AP-42, Section 13.2.1 (Paved Roads).

sL = silt loading per AP-42, Section 13.2.1 (Paved Roads).

W = Average vehicle weight from CalEEMod2020.4.0, consistent with the statewide average vehicle weight used in CARB's Entrained Road Travel, Paved Road Dust, 2016 Update.
For daily emissions it is assumed to have no precipitation.

Per AP-42, Section 13.2.1 (Paved Roads): The above equation calls for the average weight of all vehicles traveling the road. For example, if 99 percent of traffic on the road are 2 ton cars/trucks while the remaining 1 percent consists of 20 ton trucks, then the mean weight "W" is 2.2 tons. More specifically, the above equation is not intended to be used to calculate a separate emission factor for each vehicle weight class. Instead, only one emission factor should be calculated to represent the "fleet" average weight of all vehicles traveling the road.

Emission Factors	PM10 Paved Road (lb/VMT)	PM2.5 Paved Road (lb/VMT)	PM10 Paved Road (g/VMT)	PM2.5 Paved Road (g/VMT)
All Vehicles - High ADT Roads	0.0007	0.0002	0.2998	0.0736

Asphalt Paving

Idaho-Maryland Mine Project
Asphalt Paving Emissions

Asphalt Paving Off-Gassing

Equations:

$E_{AP} = EF_{AP} \times A_{\text{parking}}$

Where:

E_{AP} = VOC emissions from asphalt paving (pounds of VOC)

EF_{AP} = Asphalt paving VOC emission factor (pounds per acre)*

A_{parking} = Parking lot area (acres)

**CalEEMod default values based on SMAQMD emission factor of 2.62 pounds VOC/acre
Assume that all volatile organic compounds (VOCs) are represented by reactive organic gases (ROGs)*

Emissions Calculations:

Location	Project Phase	Facility	Start	End	Months	Days/Wk	Duration	Total Area (acres)	EF _{AP} (lbVOC/acre)	Total E _{AP} (lb VOC)	Pounds per Day VOC	Tons per Year VOC
Brunsick Industrial Site	Construction - Grading and Paving	Parking Lot and On-Site Roads	6/1/2021	8/31/2021	3	6	77	9.7	2.62	25.41	0.33	0.013
E. Bennett Road	Construction - Potable Water Line	E. Bennett Road ¹	3/1/2021	5/31/2021	3	6	77	1.5	2.62	3.93	0.05	0.002

1. For potable pipeline area, assumed all construction in roads, 1.25 miles by 10-foot disturbance, that would need to be re-paved

Architectural Coatings

Idaho-Maryland Mine Project
Architectural Coatings Emissions

Non-Residential Surface Coatings

Equations:

$E_{ac} = EF_{AC} \times F \times A_{paint}$
 $EF_{AC} = C_{VOC} / 454 \text{ (grams per pound)} \times 3.875 \text{ (liters per gallon)} / 180 \text{ (square feet)}$

Where:

E_{ac} = VOC emissions from architectural coating (pounds of VOC)
 EF_{AC} = Architectural coating VOC emission factor (pounds per square foot)
F = Fraction of surface area*
 A_{paint} = Building surface area (square feet) (i.e., square footage of area to be painted)**
 C_{VOC} = VOC content (grams per liter). Varies by location and year.

*CalEEMod default values based on SCAQMD methods used in their coating rules are 75% for the interior surfaces and 25% for the exterior shell.

**CalEEMod assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage defined by the user. All of the land use information provided by a metric other than square footage will be converted to square footage using the default conversions or user defined equivalence.

Assume that all volatile organic compounds (VOCs) are represented by reactive organic gases (ROGs)

Parking Lot Painting

Painting of stripes, handicap symbols, directional arrows and car space descriptions in parking lots.

Equation:

Same as residential and non-residential, but A_{paint} is:
 $A_{paint} = A_{pL} \times P\%$

Where:

A_{paint} = Building surface area (square feet) (i.e., square footage of area to be painted)
 A_{pL} = Parking lot area (square feet)
P% = Default percent of parking lot area that is painted
 C_{VOC} = VOC content (grams per liter) based on exterior coating paint VOC limits

Reference:

CalEEMod Users Guide, Appendix A Calculation Details

Emissions Calculations:

	Building Surface Area Multiplier	Interior Fraction of Surface Area	Exterior Fraction of Surface Area
Non-residential land use	2.0	75%	25%
Parking Lot	1.0	0%	6%
	SF	Interior Fraction of Surface Area	Exterior Fraction of Surface Area
Idaho Maryland Mine - Buildings	122,000	183,000	61,000
Total Non-residential Land Use	122,000	183,000	61,000
Parking Lot	102,000	0	6,120
Total Parking Surface Land Use	102,000	0	6,120

Non-Residential Interior Surface Coatings

	Units	Construction - Monthly in 2021	Operations (2022-2102) ¹
VOC Content of Coating	g/L	150	
Non-Residential Interior VOC Emission Factor	lbs/SF	0.00711	
Total Building Area (Averaged Monthly)	SF	10,167	
Building Surface Area	SF	2.0	
Fraction of Surface Area	percent	75%	
Interior Surface Area to be Coated	SF	15,250	
Duration (Days of Architectural Coating Phase)	days	310	
Surface Area (SF) Coated per Day	SF/day	49.26	
Total VOC Emissions (pounds)	lbs	108.47	10.85
Total VOC Emissions (tons)	tons	0.05	0.01
Average Daily VOC Emissions (pounds per day)	lbs/day	0.35	0.04

Non-Residential Exterior Surface Coatings

	Units	Construction - Monthly in 2021	Operations (2022-2102) ¹
VOC Content of Coating	g/L	150	
Non-Residential Exterior VOC Emission Factor	lbs/SF	0.00711	
Total Building Area (Averaged Monthly)	SF	10,167	
Building Surface Area	SF	2.0	
Fraction of Surface Area	percent	25%	
Exterior Surface Area to be Coated	SF	5,083	
Duration (Days of Architectural Coating Phase)	days	310	
Surface Area (SF) Coated per Day	SF/day	16.42	
Total VOC Emissions (pounds)	lbs	36.16	3.62
Total VOC Emissions (tons)	tons	0.02	0.00
Average Daily VOC Emissions (pounds per day)	lbs/day	0.12	0.01

Parking Lot (Exterior) Surface Coatings

	Units	Construction - December 2021	Operations (2022-2102) ¹
VOC Content of Coating	g/L	150	
Parking Lot VOC Emission Factor	lbs/SF	0.00711	
Parking Lot Area	SF	102,000	
Fraction of Parking Lot Area Painted	percent	6%	
Exterior Surface Area to be Coated	SF	6,120	
Duration (Days of Architectural Coating - Parking Lot Phase)	days	20	
Parking Area (SF) Coated per Day	SF/day	306.00	
Total VOC Emissions (pounds)	lbs	43.53	4.35
Total VOC Emissions (tons)	tons	0.02	0.00
Average Daily VOC Emissions (pounds per day)	lbs/day	2.18	0.22

1. Operations assume 10% re-application of architectural coatings per year, per CalEEMod 2016.3.2

Consumer Products

Idaho-Maryland Mine Project Consumer Product Emissions

Equation:

VOC Emissions = EF x Building Area

Where:

EF = pounds of VOC per building square foot per day

The factor is 2.14×10^{-5} lbs/sqft/day

Building Area = The total square footage of all buildings including residential square footage.

Consumer products are chemically formulated products used by household and institutional consumers, including, but not limited to, detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products; but does not include other paint products, furniture coatings, or architectural coatings. SCAQMD did an evaluation of consumer product use compared to the total square footage of buildings using data from ARB consumer product Emission Inventory. This analysis can be found in Appendix E. (CalEEMod User's Guide Section 6.2 Consumer Products)

Emission Factor Assumptions

Land Use	Type	Rate Metric	Consumer Product Rate	Data Source
Residential & Most Non-Residential	General	pounds of VOC per building square foot per day	0.0000214	CalEEMod User's Guide Appendix E
Parking	Degreaser	pounds of VOC per square foot per day	0.0000003542	CalEEMod User's Guide Appendix E

Emissions Calculations:

	SF	Consumer Product Rate (VOC lbs per SF)	Daily Consumer Product Emissions (VOC lbs/day)	Annual Consumer Product Emissions (VOC tons per year)
Idaho Maryland Mine - Buildings	122,000	0.0000214	2.61	0.48
Parking Lot	102,000	0.0000003542	0.04	0.01
Total			2.65	0.48

Wastewater Septic System

Idaho-Maryland Mine Project
Septic System GHGs

Equations:

Methane (CH₄) Generation

CH₄ (MT) = Wastewater x BOD₅ load x 10⁻⁶ x Bo x MCF_{septic} x 10⁻³

Where:	Value	Unit	Description
Wastewater	INPUT	L	volume of wastewater
BOD ₅ load	200	mg/L	concentration of BOD5 in wastewater
10 ⁻⁶	--	kg/mg	conversion factor
Bo	0.60	kg CH ₄ /kg BOD ₅ removed	max CH4 producing capacity for domestic wastewater
MCF _{septic}	0.50	--	CH4 correction factor for septic systems
10 ⁻³	--	MT/kg	conversion factor

Nitrous Oxide (N₂O) Generation

N₂O (MT) = Wastewater x 10⁻⁶ x N Load x 44/28 x EF effluent x 10⁻³

Where:	Value	Unit	Description
Wastewater	INPUT	L	volume of wastewater
10 ⁻⁶	--	kg/mg	conversion factor
N Load	26.00	mg/L wastewater	mass of nitrogen discharged per volume of wastewater
44/28	--	--	Ratio of molecular weights for N ₂ O and N ₂
EF effluent	0.005	kg N ₂ O/kg N	N ₂ O effluent emission factor
10 ⁻³	--	MT/kg	conversion factor

Reference:

CalEEMod Users Guide, Appendix A Calculation Details

Emissions Calculations:

Idaho Maryland Mine	Gallons/Day ¹	Liters/Day	Liters/Yr	MT CH ₄ /Yr	MT N ₂ O/Yr	MT CO ₂ e/Yr
Total Potable Water Used	3,952	14,959.95	5,460,381.10	0.33	0.001	8.52

1. Total potable water used per day based on estimates provided by Rise Grass Valley

Utility-Provided Electricity for Facility

Idaho-Maryland Mine Project
Electricity GHG Emissions Calculator

Equation:
Electricity Emissions =Σi (Utility x Energy Intensity x Size)

Where:

Utility	Carbon intensity of Local Utility (CO2E/kWh)
Energy Intensity	electricity energy intensity for a land use (kWh/sq.ft. or kWh/DU)
Size	size metric (square feet or dwelling units)
i	land use type

Assumptions

PG&E Electricity GHG Intensity Factors

GHG	Units	All Years ¹
CO ₂	lb/MWh	203.98
CH ₄	lb/MWh	0.0330
N ₂ O	lb/MWh	0.0040

1. Emission factors for CO2, CH4, and N2O are from the CalEEMod software version 2020.4.0 for PG&E.
These values will decrease overtime due to the Renewable Portfolio Standard, but were used for all scenarios as a conservative estimate.

Emissions Calculations:

Year 2021 Construction							
Electricity Consumption	Daily Electricity Demand (kWh) ¹	Annual Electricity Demand (kWh) ¹	Annual Electricity Demand (MWh) ²	Electricity Emissions (Metric Tons/Year)			
				CO ₂	CH ₄	N ₂ O	CO ₂ e
Underground Mine	41,375.25	15,101,967.70	15,101.97	1,397.31	0.23	0.03	1,411.13
Water Treatment	3,312.24	1,208,967.60	1,208.97	111.86	0.02	0.00	112.97
Raise Boring	3,355.65	202,010.13	202.01	18.69	0.00	0.00	18.88
Total			16,512.95	1,527.86	0.25	0.03	1,542.97

1. Electricity consumption estimates were provided by Rise Grass Valley.
2. Conversion: 1 MWh = 1,000 kWh

Each Operational Year All Operational Scenarios							
Electricity Consumption	Daily Electricity Demand (kWh) ¹	Annual Electricity Demand (kWh) ¹	Annual Electricity Demand (MWh) ²	Electricity Emissions (Metric Tons/Year) ³			
				CO ₂	CH ₄	N ₂ O	CO ₂ e
Underground Mine	70,132.58	25,598,392.23	25,598.39	2,368.49	0.38	0.05	2,391.91
Ore Processing Facility	53,780.04	19,629,712.85	19,629.71	1,816.24	0.29	0.04	1,834.20
Water Treatment	4,981.68	1,818,313.20	1,818.31	168.24	0.03	0.00	169.90
Surface Buildings	7,031.25	2,566,406.25	2,566.41	237.46	0.04	0.00	239.81
Total			49,612.82	4,590.43	0.74	0.09	4,635.82

1. Electricity consumption estimates were provided by Rise Grass Valley.
2. Conversion: 1 MWh = 1,000 kWh

Electricity for NID-Supplied Potable Water

Idaho-Maryland Mine Project
NID-Supplied Water Conveyance GHG Emissions

GHG Intensity Factors

GHG	Units	All Years ¹
CO ₂	lb/MWh	203.98
CH ₄	lb/MWh	0.0330
N ₂ O	lb/MWh	0.0040

1. Emission factors for CO2, CH4, and N2O are from the CalEEMod software version 2020.4.0 for PG&E.
These values will decrease overtime due to the Renewable Portfolio Standard, but were used for all scenarios as a conservative estimate.

Electricity Intensity Factors

Process	Units	
Supply	kwh/MG	2,117
Treat	kwh/MG	111
Distribute	kwh/MG	1,272
Wastewater Treatment	kwh/MG	1,911
Total	kwh/MG	5,411

* Electricity intensity factors from CalEEMod Appendix D for Nevada County.

Year 2021Construction

Water Demand

Activity	Size	Units	Indoor Water, gal/size/year ¹	Outdoor Water, gal/size/year ¹	Indoor Water Use (gal/year)	Outdoor Water Use (gal/year)	Total Water Demand (gal/year)
Construction Dust Suppression	N/A	N/A	0.00	11,002,420.00	0.00	11,002,420.00	11,002,420.00
Total					0.00	11,002,420.00	11,002,420.00

1. Rise Grass Valley provided the NID supplied water for construction dust suppression estimate.

GHG Emissions

	Units	Potable Water - Indoor	Potable Water - Outdoor	Total
Electricity Intensity Factor				
Supply	kwh/MG	2,117	2,117	N/A
Treat	kwh/MG	111	111	N/A
Distribute	kwh/MG	1,272	1,272	N/A
Wastewater Treatment	kwh/MG	1,911	-	N/A
Total	kwh/MG	5,411	3,500	N/A
Water Consumption	MG/yr	0.0	11.0	11.0
Electricity Usage	kwh/yr	0	38,508	38,508
GHG Emissions				
CO ₂ e	metric tons/yr	0.00	3.60	3.60
CO ₂	metric tons/yr	0.00	3.56	3.56
CH ₄	metric tons/yr	0.00	0.00	0.00
N ₂ O	metric tons/yr	0.00	0.00	0.00

Year 2022 - Year 2026Mining, Brunswick Site, Fill Placement at Centennial

Water Demand

Land Use	Size	Units	Indoor Water, gal/size/year ¹	Outdoor Water, gal/size/year ¹	Indoor Water Use (gal/year)	Outdoor Water Use (gal/year)	Total Water Demand (gal/year)
Residences/Potable Water Line	26	Dwelling Units	65,154.03	41,075.36	1,694,004.67	1,067,959.46	2,761,964.13
Potable Water Use at Brunswick Site	N/A	N/A	1,442,480.00	0.00	1,442,480.00	0.00	1,442,480.00
Centennial Site Dust Suppression	N/A	N/A	0.00	11,002,420.00	0.00	11,002,420.00	11,002,420.00
Total					3,136,484.67	12,070,379.46	15,206,864.13

1. Indoor/outdoor water use for the homes along the potable water line are based on CalEEMod defaults. Rise Grass Valley provided the potable water use at Brunswick and NID supplied water at the Centennial site estimates.

GHG Emissions

	Units	Potable Water - Indoor	Potable Water - Outdoor	Total
Electricity Intensity Factor				
Supply	kwh/MG	2,117	2,117	N/A
Treat	kwh/MG	111	111	N/A
Distribute	kwh/MG	1,272	1,272	N/A
Wastewater Treatment	kwh/MG	1,911	-	N/A
Total	kwh/MG	5,411	3,500	N/A
Water Consumption	MG/yr	3.1	12.1	15.2
Electricity Usage	kwh/yr	16,972	42,246	59,218
GHG Emissions				
CO ₂ e	metric tons/yr	1.59	3.95	5.53
CO ₂	metric tons/yr	1.57	3.91	5.48
CH ₄	metric tons/yr	0.00	0.00	0.00
N ₂ O	metric tons/yr	0.00	0.00	0.00

Year 2027 - Year 2032Mining, Brunswick Site, Fill Placement at Brunswick

Water Demand

Land Use	Size	Units	Indoor Water, gal/size/year ¹	Outdoor Water, gal/size/year ¹	Indoor Water Use (gal/year)	Outdoor Water Use (gal/year)	Total Water Demand (gal/year)
Residences/Potable Water Line	26	Dwelling Units	65,154.03	41,075.36	1,694,004.67	1,067,959.46	2,761,964.13
Potable Water Use at Brunswick Site	N/A	N/A	1,442,480.00	0.00	1,442,480.00	0.00	1,442,480.00
Total					3,136,484.67	1,067,959.46	4,204,444.13

1. Indoor/outdoor water use for the homes along the potable water line are based on CalEEMod defaults. Rise Grass Valley provided the potable water use at Brunswick. Notably, unlike for the Centennial site dust suppression, the water to be used for dust control at Brunswick would be from treated mine water.

GHG Emissions

	Units	Potable Water - Indoor	Potable Water - Outdoor	Total
Electricity Intensity Factor				
Supply	kwh/MG	2,117	2,117	N/A
Treat	kwh/MG	111	111	N/A
Distribute	kwh/MG	1,272	1,272	N/A
Wastewater Treatment	kwh/MG	1,911	-	N/A
Total	kwh/MG	5,411	3,500	N/A
Water Consumption	MG/yr	3.1	1.1	4.2
Electricity Usage	kwh/yr	16,972	3,738	20,709
GHG Emissions				
CO ₂ e	metric tons/yr	1.59	0.35	1.94
CO ₂	metric tons/yr	1.57	0.35	1.92
CH ₄	metric tons/yr	0.00	0.00	0.00
N ₂ O	metric tons/yr	0.00	0.00	0.00

Year 2033 - 2102

Mining, Brunswick Site, Fill Placement Off-Site

Water Demand							
Land Use	Size	Units	Indoor Water, gal/size/year ¹	Outdoor Water, gal/size/year ¹	Indoor Water Use (gal/year)	Outdoor Water Use (gal/year)	Total Water Demand (gal/year)
Residences/Potable Water Line	26	Dwelling Units	65,154.03	41,075.36	1,694,004.67	1,067,959.46	2,761,964.13
Potable Water Use at Brunswick Site	N/A	N/A	1,442,480.00	0.00	1,442,480.00	0.00	1,442,480.00
Total					3,136,484.67	1,067,959.46	4,204,444.13

1. Indoor/outdoor water use for the homes along the potable water line are based on CalEEMod defaults. Rise Grass Valley provided the potable water use at Brunswick. Notably, unlike for the Centennial site dust suppression, the water to be used for dust control at Brunswick would be from treated mine water.

GHG Emissions				
	Units	Potable Water - Indoor	Potable Water - Outdoor	Total
Electricity Intensity Factor				
Supply	kwh/MG	2,117	2,117	N/A
Treat	kwh/MG	111	111	N/A
Distribute	kwh/MG	1,272	1,272	N/A
Wastewater Treatment	kwh/MG	1,911	-	N/A
Total	kwh/MG	5,411	3,500	N/A
Water Consumption	MG/yr	3.1	1.1	4.2
Electricity Usage	kwh/yr	16,972	3,738	20,709
GHG Emissions				
CO ₂ e	metric tons/yr	1.59	0.35	1.94
CO ₂	metric tons/yr	1.57	0.35	1.92
CH ₄	metric tons/yr	0.00	0.00	0.00
N ₂ O	metric tons/yr	0.00	0.00	0.00

Solid Waste

Idaho-Maryland Mine Project
Solid Waste Emissions

Equation:
(CO2, CH4) Emissions = EF x Ton of waste generated per year

Where:
EF (CO2, CH4) = tons of (CO2, CH4) emitted per ton of waste generated per year
The factor is 1.43 x 10-1 tons CO2 emitted (No LFG Collection)/ton of waste generated per year.
The factor is 2.29 x 10-1 tons CO2 emitted (LFG Collect and Combust)/ton of waste generated per year.
The factor is 4.26 x 10-2 tons CH4 emitted (No LFG Collection)/ton of waste generated per year.
The factor is 1.14 x 10-2 tons CH4 emitted (LFG Collect and Combust)/ton of waste generated per year.

Reference:
CalEEMod Appendix D, Table 10.2, "Support for Solid Waste Emission Factors."

Emission Factors

Description	Collection Efficiency	Destruction Fraction	Oxidation Fraction	CO2 Emissions, ton/ton waste	CH4 Emissions, ton/ton waste
No LFG Collection	0	0	0.1	0.143068564	0.042565854
LFG Collect and Combust	0.75	0.98	0.1	0.228909703	0.011350894
Cogen			waste*(0.2289 - 6.3382E-05*UtilityCO2		0.011350894

Waste Generation

Land Use	Solid Waste Generation Rate ¹	Rate Metric	Maximum Daily Employees	Annual Waste Generated (tons)
Buildings - Employee Waste	1.15	tons per employee	178	204.7

1. Solid Waste Disposal Rate from CalEEMod Appendix D, Table 10.1, Statewide for Unrefrigerated Warehouse.

Landfill Processing of Waste		
GHG Source	Waste Distribution Percent ¹	Idaho Maryland Mine Buildings - Employee Waste
No LFG Collection	6%	12.282
LFG Collect and Combust	94%	192.418
Cogen	0%	0
Totals	100%	205

References:
1. Default values from CalEEMod 2016.3.2

Emissions Calculations:

Annual GHG Emissions - Project Operations (Metric Tons/year)			
	CO ₂	CH ₄	CO ₂ e
Idaho Maryland Mine Buildings - Employee Waste	41.55	2.46	102.94

Tree Removal Carbon Loss

Idaho-Maryland Mine Project

Land Use Change - Loss of Sequestered Carbon

A development which changes land use type results in changes in CO₂ sequestration from the atmosphere which would not have been captured had there been no land-type change.

Equation:

$$\text{Sequestered CO}_2 \text{ (MT CO}_2\text{)} = \sum_f (\text{SeqCO}_2)_f \times (\text{area})_f - \sum_i (\text{SeqCO}_2)_i \times (\text{area})_i$$

Where:

SeqCO₂ = mass of sequestered CO₂ per unit area (MT CO₂/acre)

area = area of land for specific land use type (acre)

f = index for final land use type

i = index for initial land use type

Overall change in sequestered CO₂ is the summation of sequestered CO₂ from initial land use type multiplied by area of land for initial land use type subtracted by the summation of sequestered CO₂ from final land use type multiplied by area of land for final land use type. There is no reduction in GHG emissions associated with preservation of a land.

Default CalEEMod Factors

The mass of sequestered CO₂ per unit area (MT CO₂/acre) is dependent on the specific land use type. The program uses default CO₂ sequestration values from the California Climate Action Registry for each land use that will be preserved or created:

Vegetation Land Use Type	Vegetation Land Use Subtype	Biogenic CO ₂ Emissions (MT CO ₂ /Acre)
Cropland	Cropland	6.2
Forest Land	Scrub	14.3
Forest Land	Trees	111
Grassland	Grassland	4.31
Wetlands	Wetlands	0
Others	Others	0

Notes:

Based on values indicated in IPCC Guidelines for National Greenhouse Gas Inventories (IPCC Guidelines). Available online at <http://www.ipcc-nggip.iges.or.jp/public/2006gl/>

Reference:

CalEEMod Users Guide, Appendix A Calculation Details (Section 11 Vegetation, pages 50-52)

Idaho-Maryland Mine Project

Calculations:

Project Vegetation Land Use	Vegetation Land Use Category	Vegetation Land Use Category Subtype	Initial Acres (acres)	Final Acres (acres)	Net Loss (acres)	Biogenic CO ₂ Emissions (MT CO ₂ /Acre)	Loss of Sequestered CO ₂ (MT CO ₂)
Brunswick	Forest Land	Trees	18.70	0.00	18.70	111	2,075.70
Centennial	Forest Land	Trees	5.30	0.00	5.30	111	588.30
Total			24.00	0.00	24.00		2,664.00
Amortized over 80 Year Project Life							33.3

Notes:

On the Brunswick site, approximately 18.7 acres of forested areas (Montane Hardwood-Conifer, Montane Hardwood, Ponderosa Pine, and Sierran Mixed Conifer vegetation communities) will be disturbed and trees will require removal. On the Centennial site, up to approximately 5.3 acres of forested areas (Montane Hardwood-Conifer and Montane Hardwood vegetation communities) will be disturbed and trees will require removal.

The default annual CO₂ is calculated by multiplying total biomass (MT dry matter/acre) from IPCC data by the carbon fraction in plant material (0.47), then using the ratio of molecular weights (44/12) to convert from MT of carbon (C) to MT of carbon dioxide (CO₂).

Vegetation Type

Vegetation types are defined by IPCC as follows:

Forest Land

This category includes all land with woody vegetation consistent with thresholds used to define Forest Land in the national greenhouse gas inventory. It also includes systems with a vegetation structure that currently fall below, but *in situ* could potentially reach the threshold values used by a country to define the Forest Land category.

Cropland

This category includes cropped land, including rice fields, and agro-forestry systems where the vegetation structure falls below the thresholds used for the Forest Land category.

Grassland

This category includes rangelands and pasture land that are not considered Cropland. It also includes systems with woody vegetation and other non-grass vegetation such as herbs and brushes that fall below the threshold values used in the Forest Land category. The category also includes all grassland from wild lands to recreational areas as well as agricultural and silvi-pastoral systems, consistent with national definitions.

Wetlands

This category includes areas of peat extraction and land that is covered or saturated by water for all or part of the year (e.g., peatlands) and that does not fall into the Forest Land, Cropland, Grassland or Settlements categories. It includes reservoirs as a managed sub-division and natural rivers and lakes as unmanaged sub-divisions.

Area

The user must specify area of land in acres for specific final and initial land use types. These area changes include not only the area of land that will be converted to buildings, but also areas disrupted by the construction of utility corridors, water tank sites, and associated borrow and grading areas. Areas temporarily disturbed that will eventually recover to become vegetated will not be counted as vegetation removed as there is no net change in vegetation or land use.

APPENDIX B

Health Risk Assessment

Health Risk Assessment Report for the Idaho-Maryland Mine Project Nevada County, California

Prepared for:

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NOVEMBER 2021

Table of Contents

<u>SECTION</u>	<u>PAGE NO.</u>
ACRONYMS AND ABBREVIATIONS	III
SUMMARY	1
1 INTRODUCTION	2
1.1 Purpose	2
1.2 Project Description	2
1.3 Toxic Air Contaminants.....	3
1.4 Cancer Risk.....	3
1.5 Acute and Chronic Noncancer Health Impacts.....	4
2 GUIDANCE AND THRESHOLDS.....	5
2.1 Office of Environmental Health Hazard Assessment’s Guidance.....	5
2.2 Northern Sierra Air Quality Management District Guidance	6
3 RECEPTORS USED FOR EVALUATING MODELED IMPACTS.....	7
4 MODELING METHODOLOGY.....	8
4.1 Dispersion Model.....	8
4.2 Emission Calculations	14
4.3 Health Risk Assessment Methodology.....	26
5 HEALTH RISK RESULTS.....	27
6 CONCLUSIONS	28
7 REFERENCES	29

APPENDIX

A	HARP2 and AERMOD Output Files
B	Fugitive Dust TAC Concentration

FIGURE

1	Wind Rose of Meteorological Data.....	13

TABLES

1	NSAQMD Thresholds of Significance	6
2	Emission Source Parameters	8
3	Construction Off-Road Equipment Assumptions.....	14
4	Construction On-Road Vehicle Trip Assumptions.....	16

5	Project Annual On-Site Construction Emissions.....	17
6	Operational Off-Road Equipment Assumptions.....	19
7	Operations On-Road Vehicle Trip Assumptions.....	20
8	Project Annual On-Site Operational TAC Emissions	25
9	Project Construction and Operation Total Health Risk	27

Acronyms and Abbreviations

Acronym/Abbreviation	Definition
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
ASF	age-sensitivity factor
CalEEMod	California Emissions Estimator Model
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
DPM	diesel particulate matter
EPA	U.S. Environmental Protection Agency
FAH	fraction of time at home
g/s	grams per second
HARP2	Hotspots Analysis and Reporting Program Version 2
hp	horsepower
HRA	Health Risk Assessment
m E	meters easting
m N	meters northing
MEIR	maximally exposed individual resident
MM	Mitigation Measure
NED	National Elevation Dataset
NSAQMD	Northern Sierra Air Quality Management District
OEHHA	Office of Environmental Health Hazard Assessment
PG&E	Pacific Gas & Electric
PM _{2.5}	particulate matter with an aerodynamic diameter less than or equal to 2.5 microns
PM ₁₀	particulate matter with an aerodynamic diameter less than or equal to 10 microns
project	Idaho-Maryland Mine Project
REL	reference exposure level
TAC	toxic air contaminant
µg/m ³	microgram per cubic meter
UTM	Universal Transverse Mercator
VMT	vehicle miles traveled

Summary

The purpose of this Health Risk Assessment (HRA) is to determine the potential cancer risk and noncancer health impacts to existing sensitive receptors in proximity to the proposed Idaho-Maryland Mine Project (project) due to toxic air contaminant (TAC) emissions resulting from construction and operation of the project.

Air dispersion modeling was conducted using the American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) Version 21112 and the Hotspots Analysis and Reporting Program Version 2 (HARP2) Version 21081. The Northern Sierra Air Quality Management District's (NSAQMD) Guidelines for Assessing and Mitigating Air Quality Impacts of Land Use Projects (NSAQMD 2019) and the Office of Environmental Health Hazard Assessment's (OEHHA's) Air Toxics Hot Spots Program Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments 2015 (OEHHA 2015) were used to prepare this HRA. The construction and operational TAC-emitting activities are similar for the project (e.g., diesel off-road equipment, haul trucks, etc.), so the HRA was modeled for both construction and operation occurring sequentially, rather than preparing separate HRAs. For evaluating health risk, the HRA was based on the assumption that exposure from construction and operational TAC emissions would generally occur up to 20 hours per day, 7 days per week for construction and up to 24 hours per day, 7 days per week, for 30 years for operation. This is consistent with OEHHA's guidance for performing operational HRAs.¹

This HRA finds that the unmitigated project would result in potential cancer risk at the maximally exposed individual resident of 10.4 in 1 million, which would exceed the NSAQMD threshold of 10 in 1 million. With incorporation of higher-tier engines during construction, as included in Mitigation Measure AQ-2, the project would result in incremental cancer risk of 7.6 in 1 million. The unmitigated and mitigated chronic hazard index would be 0.6 and 0.6 at the maximally exposed individual resident, respectively, which would be below the NSAQMD threshold of 1.0. The unmitigated and mitigated acute hazard index would be 0.004 and 0.004 at the maximally exposed individual resident, respectively, which would be below the NSAQMD threshold of 1.0. Project health risk impacts associated with construction and operation would, thus, be less than significant.

¹ OEHHA describes cancer risk evaluations for 9-, 30-, and 70-year exposure durations in the 2015 OEHHA Guidelines, and identifies that the 9- and 30-year durations correspond to the average and high-end of residency time recommended by the EPA, with the 30-year exposure duration recommended for use as the basis for estimating cancer risk at the maximally exposed individual resident in all HRAs (OEHHA 2015).

1 Introduction

1.1 Purpose

In support of the air quality technical report preparation for the Idaho-Maryland Mine Project (project), the Health Risk Assessment (HRA) modeling analysis was prepared to estimate health risk impacts to proximate existing sensitive receptors from exposure to toxic air contaminant (TAC) emissions from construction and operational activities at the project site. The analysis in this HRA uses air dispersion modeling and Hotspots Analysis and Reporting Program Version 2 (HARP2) to evaluate potential health risks associated with the project. Results of the modeling analysis are compared with the most recent California Environmental Quality Act (CEQA) significance thresholds established by the Northern Sierra Air Quality Management District (NSAQMD). Per CEQA Guidelines, Appendix G (14 CCR 15000 et seq.), the HRA directly addresses the criterion: Would the project expose sensitive receptors to substantial pollutant concentrations?

1.2 Project Description

Rise Grass Valley Inc. (Rise) proposes to reinitiate underground mining and ore processing of the Idaho-Maryland Mine in unincorporated Nevada County (County). The proposed facilities and operations would be located on two properties owned by Rise, referred to as the Brunswick Industrial Site and the Centennial Industrial Site. The project would consist of five primary elements:

1. Dewatering the existing underground mine workings
2. Mining existing and new underground mine workings
3. Processing gold mineralization and rock
4. Placing engineered fill at the Brunswick and Centennial Industrial Sites
5. Export of engineered fill from the Brunswick Industrial Site to support local construction projects

Rise is seeking approval of a new use permit and reclamation plan to build and operate the facilities for these project elements. This use permit and reclamation plan proposes to allow the following:

- operation of pumps and a water treatment facility to dewater the underground workings;
- construction of a water pipeline to transport treated water to an outfall located in South Fork Wolf Creek;
- construction of the necessary aboveground facilities at the Brunswick Industrial Site (e.g., headframes and hoists, surface structures, a mineral processing plant) to support underground mining and mineral processing;
- construction of a new service shaft and ventilation shaft from the underground mine to the surface at the Brunswick Industrial Site;
- underground mining, including drilling, blasting, and gold mineralization removal;
- gold mineralization and rock processing at the Brunswick Industrial Site and off-site transport of gold concentrate;
- transport of engineered fill from the Brunswick Industrial Site and placement at the Centennial Industrial Site;
- transport of engineered fill from the Brunswick Industrial Site to off-site construction projects;
- placement of engineered fill at the Brunswick Industrial Site; and
- construction of a potable water pipeline to supply residences along a portion of East Bennett Road.

The majority of aboveground facilities, the access to the underground mining, the treated-water outfall structure, and a portion of the engineered fill will be located on Rise's 119-acre Brunswick Industrial Site. Engineered fill would also be placed on Rise's 56-acre Centennial Industrial Site. Of the total 175 acres in surface land holdings, approximately 104 acres would be disturbed as a result of construction of the facilities proposed to support dewatering, mining, and processing at the Idaho-Maryland Mine. In addition, Rise owns approximately 2,585 acres of subsurface rights that encompass the historic Idaho-Maryland Mine workings and Idaho-Maryland Mine Project. Once the aboveground facilities are constructed, Rise would begin dewatering the mine, performing advanced exploration, and mining the underground workings.

Construction of the project would require the use of both stationary and mobile diesel equipment that generates TACs, primarily diesel particulate matter (DPM). There is the potential for naturally occurring asbestos, silica, and various metallic elements within the excavated rock, which may result in the release of TACs. Operation of the mine would include operation of both stationary and mobile diesel equipment that generates TACs, primarily DPM.

1.3 Toxic Air Contaminants

A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute (short-term) and/or chronic (long-term) noncancer health effects. A toxic substance released into the air is considered a TAC. Examples include certain aromatic and chlorinated hydrocarbons, DPM, certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources, such as automobiles; and area sources, such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and noncarcinogenic effects. Noncarcinogenic effects typically affect one or more target organ systems, and may be experienced through either acute or chronic exposure to a given TAC.

California's air toxics control program began in 1983 with the passage of Assembly Bill 1807, the Toxic Air Contaminant Identification and Control Act, better known as the Tanner Bill. The Tanner Bill established a regulatory process for the scientific and public review of individual toxic compounds. When a compound becomes listed as a TAC under the Tanner Bill, the California Air Resources Board (CARB) normally establishes minimum statewide emission-control measures to be adopted by air quality management districts and air pollution control districts. By 1992, 18 of the 187 federal hazardous air pollutants had been listed by CARB as state TACs. In April 1993, CARB added 171 substances to the state program to make the state TAC list equal to the federal list of hazardous air pollutants. In 1998, CARB designated DPM as a TAC (CARB 1998). Exhaust from diesel engines is a complex mixture of gases, vapors, and particles, many of which are known human carcinogens.

The second major component of California's air toxics program, supplementing the Tanner Bill, was provided by the passage of Assembly Bill 2588, the Air Toxics "Hot Spots" Information and Assessment Act of 1987. Assembly Bill 2588 currently regulates more than 600 compounds, including all of the Tanner Bill-designated TACs.

1.4 Cancer Risk

Cancer risk is defined as the increase in lifetime probability (chance) of an individual developing cancer due to exposure to a carcinogenic compound, typically expressed as the increased probability in 1 million. The cancer risk from inhalation of a TAC is estimated by calculating the inhalation (and if applicable, ingestion and dermal) dose in

units of milligrams per kilogram body weight per day based on an ambient concentration in units of micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), breathing rate, and exposure period and multiplying the dose by the inhalation cancer potency factor, expressed as (milligrams/kilogram body weight per day)⁻¹. Cancer risks are typically calculated for all carcinogenic TACs and summed to calculate the overall increase in cancer risk to an individual. The calculation procedure assumes that cancer risk is proportional to concentrations at any level of exposure, and that risks due to different carcinogens are additive. This approach is generally considered a conservative assumption at low doses, and is consistent with the current Office of Environmental Health Hazard Assessment's (OEHHA) regulatory approach. Exposure to carcinogenic TACs does not imply that the exposed individual will contract cancer; rather, the cancer risk is a probability of developing cancer if other factors (e.g., heredity, exposure to environmental or workplace risks that compromise the immune system, overall health) would result in an increased susceptibility to developing cancer.

The cancer risk calculations were performed by multiplying the predicted dispersion modeled output data by the TAC emissions and the appropriate risk values. The exposure and risk equations that were used to calculate the cancer risk at receptors from project construction and operation are integrated in HARP2, in accordance with the Air Toxics Hot Spots Program Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments 2015 (2015 Risk Assessment Guidelines Manual) (OEHHA 2015).

1.5 Acute and Chronic Noncancer Health Impacts

The noncancer health impact of an inhaled TAC is measured by the hazard quotient, which is the ratio of the ambient concentration of a TAC in units of $\mu\text{g}/\text{m}^3$ divided by the reference exposure level (REL), also in units of $\mu\text{g}/\text{m}^3$. The REL is the concentration at or below which no adverse health effects are anticipated. The REL is typically based on health effects on a particular target organ system, such as the respiratory system, liver, or central nervous system. Hazard quotients of individual TACs are then summed for each target organ system to obtain a hazard index.

2 Guidance and Thresholds

2.1 Office of Environmental Health Hazard Assessment's Guidance

OEHHA's most recent guidance is the 2015 Risk Assessment Guidelines Manual (OEHHA 2015), which supersedes the 2003 OEHHA HRA guidance manual, was used to calculate the health risk impacts from project construction and operation. The Children's Environmental Health Protection Act of 1999 (Senate Bill 25), which requires explicit consideration of infants and children in assessing risks from air toxics, requires revisions of the methods for both noncancer and cancer risk assessment and of the exposure assumptions in the 2003 HRA guidance manual (OEHHA 2003). In response to Senate Bill 25, OEHHA released three technical support documents addressing RELs (OEHHA 2008), cancer potency (OEHHA 2009), and exposure assessment and stochastic analysis (OEHHA 2012), and adopted the 2015 Risk Assessment Guidelines Manual (OEHHA 2015). The technical support document for RELs and continuing work to re-evaluate TACs to ensure adequate protection for infants and children has led to revisions of RELs for approximately 10 chemicals and chemical families. The basic methodology for evaluating acute and chronic health effects using the RELs otherwise remained the same as in the previous guidance manual. Moreover, RELs are designed to protect the most sensitive individuals in the population, including infants and children, by selecting appropriate toxicological data and including margins of safety. Accordingly, the evaluation methods are assumed to protect children and other sensitive subpopulations (groups of more highly susceptible individuals) from adverse health effects in the event of exposure (OEHHA 2008).

The cancer risk methodology described in the exposure assessment and stochastic analysis technical support document and the 2015 Risk Assessment Guidelines Manual accounts for the higher sensitivity of infants and children by applying age-specific daily breathing rates and age-sensitivity factors (ASFs). According to the technical support document, "accounting for effects of early-in life exposure requires accounting for both the increased potency of early in life exposure to carcinogens and the greater exposure on a per [kilogram] body weight that occurs early in life due to behavioral and physiological differences between infants and children, and adults" (OEHHA 2012). In the absence of chemical-specific data, OEHHA recommends a default ASF of 10 for the third trimester to age 2 years, and an ASF of 3 for ages 2 through 15 years to account for potential increased sensitivity to carcinogens during childhood (OEHHA 2015). The ASF for adults is 1. In addition to the ASFs, children have higher daily breathing rates per unit of body weight than adults. The OEHHA guidance manual considers the age-specific breathing rates in the cancer risk calculations.

In addition, OEHHA and CARB evaluated information from activity patterns databases to estimate the fraction of time at home (FAH) during the day. From the third trimester to age <2 years, 85% of time is spent at home. From age 2 through <16 years, 72% of time is spent at home. From age 16 years and greater, 73% of time is spent at home. However, for facilities with any school within the 1 in 1 million or greater isopleth, the OEHHA recommends using an FAH of 100% for children under 16 years old (OEHHA 2015). As a conservative assumption, the FAH for children under 16 years old was assumed to be 100% in this analysis. Cancer risk parameters, such as ASFs, daily breathing rates, exposure period, FAH, and cancer potency factors were based on the values and data recommended by OEHHA as implemented in HARP2. Accordingly, this HRA evaluates and reflects conservative, health-protective methodologies to assess health impacts to adults, as well as infants, children, and other sensitive subpopulations.

2.2 Northern Sierra Air Quality Management District Guidance

The NSAQMD's cancer and noncancer thresholds to assess health risk significance for CEQA are consistent with what are used for the AB 2588 risk assessment procedures (Longmire, pers. comm. 2021). The NSAQMD's current health risk thresholds are presented in Table 1.

Table 1. NSAQMD Thresholds of Significance

Factor	Threshold
Cancer	Increased cancer risk of >10.0 in 1 million
Non-Cancer	Increased noncancer risk of >1.0 Hazard Index (Chronic or Acute)

Source: Longmire, pers. comm. 2021

3 Receptors Used for Evaluating Modeled Impacts

Some land uses are considered more sensitive to air pollution than others due to the types of population groups or activities involved. Children, pregnant women, older adults, and people with existing health problems are especially vulnerable to the effects of air pollution. Accordingly, land uses where sensitive-receptor population groups are likely to be located are hospitals, schools, playgrounds, day care centers, and senior center (NSAQMD 2019). For the purposes of this HRA, residences are also assumed to be sensitive receptors. There are existing residences in all directions of the project site, with the nearest located north of East Bennett Road at approximately 100 feet from the project boundary. The nearest hospitals and schools to the project sites are the Sierra Nevada Memorial Hospital on Glasson Way (approximately 1,800 feet north of the Centennial Industrial Site) and the Montessori House of Children on The Burma Road (approximately 2,500 feet south of the Brunswick Industrial Site boundary). However, residential receptors are the most conservative to evaluate as discussed further in Section 4.3.

4 Modeling Methodology

4.1 Dispersion Model

Air dispersion models calculate the atmospheric transport and fate of pollutants from the emission source. The models calculate the concentration of selected pollutants at specific downwind ground-level points, such as residential or school receptors. The transformation (fate) of an airborne pollutant, its movement with the prevailing winds (transport), its crosswind and vertical movement due to atmospheric turbulence (dispersion), and its removal due to dry and wet deposition are influenced by the pollutant's physical and chemical properties, and by meteorological and environmental conditions. Factors such as distance from the source to the receptor, meteorological conditions, intervening land use and terrain, pollutant release characteristics, and background pollutant concentrations affect the predicted air concentration of an air pollutant. Air dispersion models have the capability to take all of these factors into consideration when calculating downwind ground-level pollutant concentrations.

A dispersion modeling analysis was conducted for DPM emitted from diesel vehicles and off-road equipment, blasting emissions, as well as for TACs from fugitive dust sources on the proposed project site for the HRA to assess the health risk impacts of the project's construction and operation on proximate off-site sensitive receptors. The dispersion modeling was performed using AERMOD Version 21112, which is the model the U.S. Environmental Protection Agency (EPA) approved and NSAQMD recommends for atmospheric dispersion of emissions. AERMOD is a steady-state Gaussian plume model that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of surface and elevated sources, building downwash, and simple and complex terrain. Principal parameters of AERMOD for the project operations included the following:

- **Dispersion Model:** The air dispersion model used was AERMOD, Version 21112, with the Lakes Environmental Software implementation/user interface, AERMOD View, Version 10.0.1. A unit emission rate (1 gram per second [g/s]) was normalized over each unique source of emissions for the AERMOD run to obtain the "X/Q" values. X/Q is a dispersion factor that is the average effluent concentration normalized by source strength, and is used as a way to simplify the representation of emissions from many sources. The maximum concentrations were determined for the 1-hour and period-averaging periods. Table 2 provides detailed source parameters for modeling emissions with AERMOD. Source parameters were based on information provided by the project applicant and modeling guidance from the South Coast Air Quality Management District, Sacramento Metropolitan Air Quality Management District, San Joaquin Valley Air Pollution Control District, and EPA, where applicable (EPA 2015; SCAQMD 2008; SJVAPCD 2006; SMAQMD 2013).

Table 2. Emission Source Parameters

Source ID	Source Name	Source Type	Source Parameters
PAREA1	Concentrate Truck Loading ^a	Area Poly	Base Elevation: 2,757.64 ft Release Height: 3.0 m Emission Rate: 1 g/s Variable Emissions Scenario: 20 hours per day, 7 days per week
PAREA2	Brunswick Equipment Fugitive Dust ^b	Area Poly	Base Elevation: 2,735.34 ft Release Height: 1.0 m Emission Rate: 1 g/s Variable Emissions Scenario: 12 hours per day, 7 days per week

Table 2. Emission Source Parameters

PAREA3	Centennial Equipment Fugitive Dust ^b	Area Poly	Base Elevation: 2,482.19 ft Release Height: 1.0 m Emission Rate: 1 g/s Variable Emissions Scenario: 4 hours per day, 7 days per week
PAREA4	Construction Fugitive Dust Emissions ^b	Area Poly	Base Elevation: 2,765.06 ft Release Height: 1.0 m Emission Rate: 1 g/s Variable Emissions Scenario: None
STCK1	Ore Processing Exhaust Fan 1 ^a	Point-capped	Base Elevation: 2,757.25 ft Release Height: 19.51 m Emission Rate ¹ : 0.17 g/s Gas Exit Temperature: Ambient Stack Inside Diameter: 4.86 ft Gas Exit Velocity: 5.77 m/s Gas Exit Flow Rate: 21,032.74 ft ³ /min Variable Emissions Scenario: None
STCK2	Ore Processing Exhaust Fan 2 ^a	Point-capped	Base Elevation: 2,757.09 ft Release Height: 19.51 m Emission Rate ¹ : 0.17 g/s Gas Exit Temperature: Ambient Stack Inside Diameter: 4.86 ft Gas Exit Velocity: 5.77 m/s Gas Exit Flow Rate: 21,032.74 ft ³ /min Variable Emissions Scenario: None
STCK3	Ore Processing Exhaust Fan 3 ^a	Point-capped	Base Elevation: 2,757.42 ft Release Height: 19.51 m Emission Rate ¹ : 0.17 g/s Gas Exit Temperature: Ambient Stack Inside Diameter: 4.86 ft Gas Exit Velocity: 5.77 m/s Gas Exit Flow Rate: 21,032.74 ft ³ /min Variable Emissions Scenario: None
STCK4	Ore Processing Exhaust Fan 4 ^a	Point-capped	Base Elevation: 2,757.38 ft Release Height: 19.51 m Emission Rate ¹ : 0.17 g/s Gas Exit Temperature: Ambient Stack Inside Diameter: 4.86 ft Gas Exit Velocity: 5.77 m/s Gas Exit Flow Rate: 21,032.74 ft ³ /min Variable Emissions Scenario: None
STCK5	Ore Processing Exhaust Fan 5 ^a	Point-capped	Base Elevation: 2,756.92 ft Release Height: 19.51 m Emission Rate ¹ : 0.17 g/s Gas Exit Temperature: Ambient Stack Inside Diameter: 4.86 ft Gas Exit Velocity: 5.77 m/s Gas Exit Flow Rate: 21,032.74 ft ³ /min Variable Emissions Scenario: None
STCK6	Ore Processing Exhaust Fan 6 ^a	Point-capped	Base Elevation: 2,756.28 ft Release Height: 19.51 m

Table 2. Emission Source Parameters

			Emission Rate ¹ : 0.17 g/s Gas Exit Temperature: Ambient Stack Inside Diameter: 4.86 ft Gas Exit Velocity: 5.77 m/s Gas Exit Flow Rate: 21,032.74 ft ³ /min Variable Emissions Scenario: None
STCK7	Underground Shaft ^a	Point	Base Elevation: 2,741.99 ft Release Height: 50.30 m Emission Rate: 1 g/s Gas Exit Temperature: 293.15 K Stack Inside Diameter: 23.52 ft Gas Exit Velocity: 2.34 m/s Gas Exit Flow Rate: 200,000.00 ft ³ /min Variable Emissions Scenario: None
STCK8	Generators ^a	Point-capped	Base Elevation: 2,748.39 m Release Height: 7.62 m Emission Rate: 1 g/s Gas Exit Temperature: 730.37 K Stack Inside Diameter: 1.5 ft Gas Exit Velocity: 40.86 m/s Gas Exit Flow Rate: 14,213.71 ft ³ /min Variable Emissions Scenario: None
STCK9	Brunswick Diesel Storage Tank ^c	Point-capped	Base Elevation: 2,757.74 m Release Height: 3.60 m Emission Rate: 1 g/s Gas Exit Temperature: Ambient Stack Inside Diameter: 0.003 ft Gas Exit Velocity: 0.001 m/s Gas Exit Flow Rate: 0.00 ft ³ /min Variable Emissions Scenario: None
STCK10	Centennial Diesel Storage Tank ^c	Point-capped	Base Elevation: 2,491.44 m Release Height: 3.60 m Emission Rate: 1 g/s Gas Exit Temperature: Ambient Stack Inside Diameter: 0.003 ft Gas Exit Velocity: 0.001 m/s Gas Exit Flow Rate: 0.00 ft ³ /min Variable Emissions Scenario: None
SLINE1	Parking Lot Construction ^d	Line Volume	Plume Height: 25.00 m Plume Width: 25.00 m Release Height: 5.00 m Emission Rate ² : 0.17 g/s Number of Volume Sources: 11 Variable Emissions Scenario: 12 hours per day, 6 days per week
SLINE2	Centennial Haul Truck Route ^e	Line Volume	Plume Height: 25.00 m Plume Width: 25.00 m Release Height: 5.00 m Emission Rate: 1 g/s Number of Volume Sources: 119 Variable Emissions Scenario: 16 hours per day, 7 days per week

Table 2. Emission Source Parameters

SLINE3	Centennial Offroad Equipment ^d	Line Volume	Plume Height: 25.00 m Plume Width: 25.00 m Release Height: 5.00 m Emission Rate: 1 g/s Number of Volume Sources: 259 Variable Emissions Scenario: 4 hours per day, 7 days per week
SLINE4	Brunswick Offroad Equipment ^d	Line Volume	Plume Height: 25.00 m Plume Width: 25.00 m Release Height: 5.00 m Emission Rate: 1 g/s Number of Volume Sources: 65 Variable Emissions Scenario: 12 hours per day, 7 days per week
SLINE5	Potable Water Line Construction ^d	Line Volume	Plume Height: 25.00 m Plume Width: 25.00 m Release Height: 5.00 m Emission Rate: 1 g/s Number of Volume Sources: 82 Variable Emissions Scenario: 8 hours per day, 6 days per week
SLINE6	Brunswick Haul Trucks ^e	Line Volume	Plume Height: 25.00 m Plume Width: 25.00 m Release Height: 5.00 m Emission Rate: 1 g/s Number of Volume Sources: 27 Variable Emissions Scenario: 16 hours per day, 7 days per week
SLINE7	Building Construction ^d	Line Volume	Plume Height: 25.00 m Plume Width: 25.00 m Release Height: 5.00 m Emission Rate ² : 0.03 g/s Number of Volume Sources: 2 Variable Emissions Scenario: 12 hours per day, 6 days per week
SLINE8	Building Construction ^d	Line Volume	Plume Height: 25.00 m Plume Width: 25.00 m Release Height: 5.00 m Emission Rate ² : 0.75 g/s Number of Volume Sources: 44 Variable Emissions Scenario: 12 hours per day, 6 days per week
SLINE9	Haul Trucks Offsite ^e	Line Volume	Plume Height: 25.00 m Plume Width: 25.00 m Release Height: 5.00 m Emission Rate: 1 g/s Number of Volume Sources: 158 Variable Emissions Scenario: 16 hours per day, 7 days per week
VOL1	Building Construction ^d	Volume	Length of Side: 25.00 m Initial Lateral Dimension: 5.81 m Initial Vertical Dimension: 1.16 m

Table 2. Emission Source Parameters

			Release Height: 5.00 m Emission Rate ² : 0.02 g/s Variable Emissions Scenario: 12 hours per day, 6 days per week
VOL2	Building Construction ^d	Volume	Length of Side: 25.00 m Initial Lateral Dimension: 5.81 m Initial Vertical Dimension: 1.16 m Release Height: 5.00 m Emission Rate: 0.02 g/s Variable Emissions Scenario: 12 hours per day, 6 days per week

Sources: ^a project applicant; ^b SCAQMD 2008; ^c SJVAPCD 2006; ^d SMAQMD 2013; ^e EPA 2015.

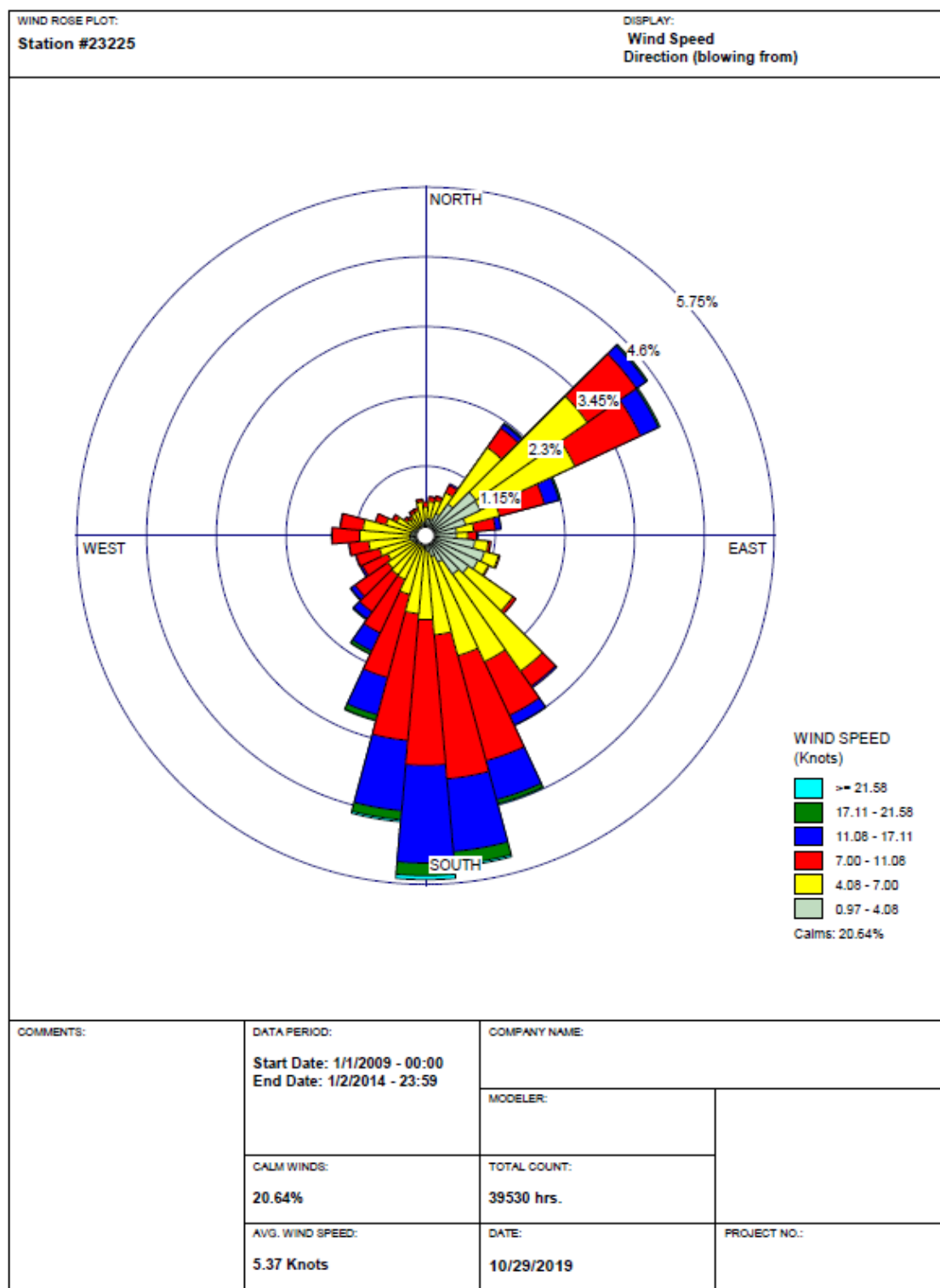
Notes: ft = feet; ft³/min = cubic feet per minute; ft/s = feet per second; g/s = grams per second; ID = Identification; K = degrees Kelvin; m = meters; and UTM = Universal Transverse Mercator.

¹ Emission rate of 1 g/s was divided equally between the six vents, since they have identical source parameters and emissions.

² An emission rate of 1 g/s was divided equally between the number of volume sources within the construction sources modeled.

- **Meteorological Data:** The nearest stations with processed meteorological data for use in AERMOD are Blue Canyon (17 miles away), Auburn (18 miles away), and Beale (22 miles away). The predominant wind direction at the project site is from the North-East and South-West direction (Meteoblue 2020). The Blue Canyon met station has a predominant wind direction from the North-East and South; the Auburn met station from the East; and the Beale met station from the South-East and North-West (CARB 2020). Blue Canyon was selected since it is the closest station and is the most representative of the project site. The latest 6-year meteorological data (2009–2014) for the Blue Canyon – Nyack Airport were downloaded from CARB, and then input to AERMOD. A wind rose is provided for this station in Figure 1.
- **Urban and Rural Options:** Typically, urban areas have more surface roughness and structures and low-albedo surfaces that absorb more sunlight, and thus, more heat, relative to rural areas. The rural dispersion option was selected based on the predominant development within 2 kilometers of the project site.
- **Terrain Characteristics:** Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate for the site. This accounts for complex terrain within 2 kilometers of the site. The National Elevation Dataset (NED) dataset with resolution of 1/3 arc-second was used. The AERMAP terrain preprocessor, which can process U.S. Geological Survey (USGS) Digital Elevation Model (DEM) data and data from the NED, is also used to generate the terrain elevations for the receptor locations. The AERMAP program generates an output file that contains the receptor pathway data for AERMOD.
- **Sensitive Receptors:** This HRA evaluates the risk to existing sensitive (including residential) receptors located in proximity to the project site. Discrete cartesian receptors were placed at residents proximate to the project site. A uniform Cartesian grid of 4,426 by 3,299 meters was centered over the project site to capture the maximum point of impact and extent of the plume isopleth.
- **Source Release Scenario:** Emissions during construction and operation were conservatively assumed to operate up to 24 hours per day, 365 days per year. Emission source specific variable emission scalars were used for those sources not operating 24 hours per day, 365 days per year, as shown in Table 2.
- **Buildings:** The project's buildings were imported into AERMOD from the applicant's GIS dataset. Appropriate building heights were assigned where available.

Figure 1. Wind Rose of Meteorological Data



4.2 Emission Calculations

Construction Emission Calculations

Construction scenario assumptions, including phasing, equipment mix, and vehicle trips, were based on information provided by Rise. For purposes of estimating project emissions, construction of the project is anticipated to occur over approximately 12 months. Construction is assumed to take place from January 2021² through December 2021. The actual construction period will depend on numerous factors including permitting timelines and economic factors. The analysis contained herein is based on the assumptions summarized in Table 3, Construction Scenario Assumptions, and Table 4, Construction On-Road On-site Vehicle Trip Assumptions. In addition, a portion of the on-road off-site vehicle trips from Table 5 of the Air Quality and Greenhouse Gas Emissions Analysis Technical Report for the Idaho-Maryland Mine Project, Nevada County, California were included in the analysis (Rise Grass Valley Inc. 2021a).

Table 3. Construction Off-Road Equipment Assumptions

Construction Phase	Schedule (Month/Year)	Equipment				
		Equipment Type	Fuel	Quantity	Usage Hours Per Day	Days Per Week
Project management, engineers, surveyors	1/2021 – 12/2021	N/A	N/A	N/A	N/A	6
Foundation and concrete contractor	1/2021 – 12/2021	Walk behind compactor	Diesel	1	1	6
		Concrete saw	Diesel	1	2	6
Grading and paving contractor	1/2021 – 12/2021	Dozer	Diesel	1	4	6
		Grader	Diesel	1	4	6
		Excavator	Diesel	1	4	6
		Front-end loader	Diesel	1	4	6
		Roller compactor	Diesel	1	4	6
		Paving equipment	Diesel	1	2	6
Building contractor	1/2021 – 12/2021	Skid steer/ forklift	Diesel	3	6	6
		Manlift	Diesel	1	6	6
		Portable generator/ welder	Diesel	3	6	6
		Forklift	Diesel	2	4	6
		Crane	Diesel	1	4	6
Ironworkers (headframes)	2/2021 – 3/2021 & 11/2021 – 12/2021	Forklift	Diesel	2	4	6
		Crane	Diesel	1	4	6
Electrical and mechanical contractors	1/2021 – 12/2021	Skid steer/ forklift	Diesel	3	6	6
		Manlift	Diesel	1	6	6

² The analysis assumes a construction start date of January 2021, which represents the earliest date construction could have initiated. Assuming the earliest start date for construction represents the worst-case scenario for criteria air pollutant and GHG emissions because equipment and vehicle emission factors for later years would be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years.

Table 3. Construction Off-Road Equipment Assumptions

Construction Phase	Schedule (Month/Year)	Equipment				
		Equipment Type	Fuel	Quantity	Usage Hours Per Day	Days Per Week
Potable water installation	2/2021 – 5/2021	Portable generator/ welder	Diesel	3	6	6
		Forklift	Diesel	2	4	6
		Crane	Diesel	1	2	6
		Portable generator/ welder	Diesel	3	6	6
		Forklift	Diesel	2	4	6
		Excavator	Diesel	1	8	6
		Concrete saw	Diesel	1	4	6
		Front-end loader	Diesel	1	4	6
		Roller compactor	Diesel	1	4	6
PG&E power line work	7/2021 – 9/2021	Paving equipment	Diesel	1	4	6
		Forklift	Diesel	2	4	6
		Manlift	Diesel	1	6	6
Underground shaft contractors	4/2021 – 12/2021	Crane	Diesel	1	4	6
		LHD units	Diesel	2	20	7
		Personnel all- terrain vehicles	Diesel	2	12	7
Raise bore contractor	8/2021 – 9/2021	Emergency Generators	Diesel	2		
		Raise bore machine	Electric	1	18	7
Underground construction	9/2021 – 12/2021	Mine air compressor	Electric	1	10	7
		Locomotives	Electric	2	12	7
		Main ventilation fans	Electric	1	24	7
		Booster ventilation fans	Electric	2	24	7
		Auxiliary ventilation fans	Electric	3	24	7
		Brunswick shaft hoist	Electric	1	8	7
Mine dewatering	6/2021 – 11/2021	Main pump 1300 L	Electric	2	24	7
		Main pump 2300 L	Electric	2	24	7
		Main pump 3280 L	Electric	2	24	7
		Face pumps	Electric	3	16	7
		Water treatment plant	Electric	1	24	7

Notes: PG&E = Pacific Gas & Electric
See Appendix A of Rise Grass Valley Inc. 2021a for details.

Table 4. Construction On-Road On-Site Vehicle Trip Assumptions

Project Vehicle	Trip Length (miles)	Maximum Daily Trips (trips/day)	Maximum Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Project management, engineers, surveyors					
Workers	0.12	12	1	3,744	449
Fuel Trucks	0.26	2	1	208	54
Pickup Trucks	0.26	8	2	2,496	649
Foundation and concrete contractor					
Workers	0.12	16	2	4,992	599
Pickup Trucks	0.26	8	2	2,496	649
Concrete Trucks	0.26	2	1	624	162
Grading and paving contractor					
Workers	0.12	12	1	3,744	449
Haul Trucks	0.26	2	1	624	162
Haul Trucks – Import Fill	0.26	78	20	1,550	403
Workers	0.12	12	1	3,744	449
Building contractor					
Workers	0.12	20	2	6,240	749
Pickup Trucks	0.26	8	2	2,496	649
Ironworkers (headframes)					
Workers	0.12	16	2	800	96
Pickup Trucks	0.26	8	2	400	104
Electrical and mechanical contractors					
Workers	0.12	20	2	6,240	749
Pickup Trucks	0.26	8	2	2,496	649
Potable water installation					
Workers	0.12	12	1	1,224	147
Water Trucks	0.44	8	4	204	90
Workers	0.12	12	1	1,224	147
PG&E power line work					
Workers	0.12	10	1	780	94
Haul Trucks	0.26	2	1	156	41
Underground shaft contractors					
Workers	0.12	10	1	2,740	329
Raise bore contractor					
Workers	0.12	8	1	480	58
Underground construction					
Workers	0.12	10	1	1,210	145
Mine Dewatering					

Table 4. Construction On-Road On-Site Vehicle Trip Assumptions

Project Vehicle	Trip Length (miles)	Maximum Daily Trips (trips/day)	Maximum Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Workers	N/A	N/A	N/A	N/A	N/A

Notes: N/A = not applicable; VMT = vehicle miles traveled
See Appendix A of Rise Grass Valley Inc. 2021a for details.

The TAC emissions inventory was developed based on the assumptions above. Sources of air pollutant emissions would include exhaust from off-road equipment, on-road vehicles (i.e., trucks and worker vehicles), as well as fugitive dust associated with vehicle travel over unpaved roads and compaction areas, material handling, bulldozer spreading, and soil compaction. Emission factors for these sources were incorporated into a spreadsheet model and include the CARB OFFROAD2011 model for diesel-fueled off-road equipment, the CARB Mobile Source Emissions Inventory Model (EMFAC, version 2017) model for on-road vehicles, and factors from EPA's AP-42 for fugitive dust. Notably, in addition to the typical day-to-day construction equipment listed in Table 3, two 2,655 horsepower diesel generators could be required as emergency backup for line power during construction. For purposes of the HRA, the emergency generators were assumed to operate for up to 100 hours per year in accordance with CARB's Airborne Toxics Control Measure for Stationary Compression Ignition Engines, 17 CCR § 93115. Emissions for the generators were estimated based on the exhaust emission data sheets for the representative Cummins model QSK60-G17. The diesel generators are Tier 4 final engines that are EPA certified for a particulate matter emissions factor of 0.00 grams per horsepower-hour. However, to be conservative, an emission factor of 0.004 grams per horsepower-hour was used in place of the certified value, assuming the certified 0.00 was due to rounding. Emissions of asbestos, silica, and trace heavy metals were estimated based off the fugitive dust composition and generation. Detailed assumptions and emission factors are included in Appendix A of the Air Quality and Greenhouse Gas Emissions Analysis Technical Report for the Idaho-Maryland Mine Project, Nevada County, California (Rise Grass Valley Inc. 2020). Table 5 shows the estimated TAC emissions during construction.

Table 5. Project Annual On-Site Construction Emissions

	DPM	Asbestos	Silica
Year	Tons per year		
Unmitigated Construction			
2021	0.28	0.00003	0.39
Mitigated Construction ¹			
2021	0.08	0.00003	0.39

Notes: DPM = diesel particulate matter.

¹ Mitigated emissions include implementation of Mitigation Measure AQ-2.

Although the unmitigated health risk from the project does not exceed significance thresholds, the project would include the following mitigation to reduce mass daily emissions that would also impact health risk. As such, the following mitigation measure (MM) would reduce DPM emissions from construction equipment:

MM-AQ-2: Construction Exhaust Emissions Minimization Plan. Rise Grass Valley Inc., or its designee, shall submit a Construction Exhaust Emissions Minimization Plan to Nevada County or its designated representative

for review and approval. The Construction Exhaust Emissions Minimization Plan shall detail project compliance with the following requirements:

- Where access to alternative sources of power and alternative-fueled equipment are feasible and available, portable diesel engines shall be prohibited.
- All diesel-powered equipment with engines equal to or greater than 50 horsepower (hp) shall be powered by California Air Resources Board (CARB) certified Tier 4 Final engines. If 50 hp or greater engines that comply with Tier 4 Final emissions standards are not commercially available, then the project applicant shall ensure that all diesel-powered equipment equal to or greater than 25 hp will have at least CARB-certified Tier 3 engines with the most effective Verified Diesel Emission Control Strategies available for the engine type, such as Level 3 Diesel Particulate Filters (Tier 4 engines automatically meet this requirement).
 - a. For purposes of this mitigation measure, “commercially available” shall mean the availability of the Tier 4 Final equipment, taking into consideration factors such as critical path timing of construction and geographic proximity of the equipment location to the project site.
 - b. The project applicant shall maintain and submit records to Nevada County concerning its efforts to comply with this requirement.

Operational Emissions Calculations

Sources of air pollutant emissions generated during normal project operations would include off-road equipment (surface and underground), on-road vehicles, underground blasting and crushing, ore processing, reagent storage, fuel tank storage, earthwork and material handling, architectural coatings for repainting, and worker consumer products. In regards to long-term operations, engineered fill would be trucked to the Centennial Industrial Site, a pad at the Brunswick Industrial Site, and off-site to support local construction projects. Logging and chipping of trees would also occur intermittently at the Centennial and Brunswick Industrial sites, as engineered fill is placed. Although the following sequence could change, for purposes of this air quality analysis and to present a reasonable and conservative evaluation, three periods were assessed based on assumptions of where and when the engineered fill would be routed:

- Years 2022–2026: Fill placement at Centennial Industrial Site
- Years 2027–2032: Fill placement at Brunswick Industrial Site
- Years 2033–2102: Fill placement at off-site location

These scenarios affect the trip length of haul trucks, and the localized generation of exhaust and fugitive dust from off-road equipment and material handling. Assumptions incorporated in the spreadsheet modeling are detailed in Appendix A of the Air Quality and Greenhouse Gas Emissions Analysis Technical Report for the Idaho-Maryland Mine Project, Nevada County, California (Rise Grass Valley Inc. 2021a), summarized below, and are based on project information provided by Rise.

Off-Road Equipment. Operational equipment is summarized in Table 6, Operational Off-Road Equipment Assumptions. Emission factors for these sources were incorporated into a spreadsheet model and include the CARB OFFROAD2011 model for diesel-fueled off-road equipment. Notably, all diesel equipment owned by Rise would be equipped with Tier 4 Final engines and underground off-road equipment would be electrically powered.

Table 6. Operational Off-Road Equipment Assumptions

Location	Equipment				
	Equipment Type	Fuel	Quantity	Usage Hours Per Day	Days Per Week
Brunswick Industrial Site (Underground)	Jumbo drill carrier	Electric	3	4	7
	LHD units	Electric	6	20	7
	Personnel all-terrain vehicles	Electric	10	12	7
	Longhole drill	Electric	3	18	7
	Diamond core drills	Electric	4	20	7
	Locomotives	Electric	10	12	7
	Main pump 1300 L	Electric	1	24	7
	Main pump 2300 L	Electric	1	24	7
	Main pump 3280 L	Electric	1	24	7
	Face pumps	Electric	10	16	7
	Booster ventilation fans	Electric	2	24	7
	Auxiliary ventilation fans	Electric	10	24	7
	Jaw crusher	Electric	3	8	7
	Lighting	Electric	100	24	7
Brunswick Industrial Site (Surface)	Skid steer / forklift	Diesel	3	12	7
	Front-end loader	Diesel	1	4	7
	Manlift	Diesel	1	6	7
	Rough Terrain Crane (50 ton)	Diesel	1	12	7
	Portable generator / welder	Diesel	3	8	7
	Mine air compressor	Electric	1	24	7
	Main ventilation fans	Electric	3	24	7
	Service shaft hoist	Electric	1	14	7
	Brunswick shaft hoist	Electric	1	8	7
	Water treatment plant	Electric	1	24	7
	Dozer	Diesel	1	4	5
Engineered Fill Placement: Centennial Industrial Site and Brunswick Industrial Site	Excavator	Diesel	1	4	5
	Front-end loader	Diesel	1	4	5
	Mobile tire pressure washer	Diesel	1	3	5
	Mobile auger blending plant	Diesel	1	4	5

Notes: See Appendix A of Rise Grass Valley Inc. 2021a for details.

On-Road Vehicles. The project would generate TACs from mobile sources (vehicular traffic) as a result of employee passenger vehicles (workers) and truck traffic associated with operation of the mine. Emissions from the mobile sources during operation of the project were estimated using a spreadsheet-based model and emission factors from CARB EMFAC2017 and EPA AP-42 factors for paved and unpaved road dust generation. Emissions calculation equations and assumptions were primarily derived from the California Emissions Estimator Model (CalEEMod) and EPA AP-42. The key factors in the mobile source emissions calculations were number of trips, trip lengths, vehicle categorization, and emissions factors for each vehicle, which are described below.

Trips were estimated for each type of project vehicle and for each operational scenario (beginning in 2022, 2027, and 2033) based on information provided by the applicant. Each employee and truck was assumed to generate two one-way trips. Employees are anticipated to be on site 365 days per year; however, estimated daily employees during the week is 178, and estimate weekend employees is 134. As such, 178 employees were assumed to estimate maximum daily emissions, and the annual emissions were estimated based on the estimated weekdays and weekend days in 1 year and the respective employee estimate. For haul trucks, estimated maximum daily trips were multiplied by 365 days to estimate annual trips. For all other trucks, daily emissions were estimated based on the anticipated maximum daily truck trips, and annual emissions were estimated based on anticipated average trips per week multiplied by 52 weeks per year. Trip lengths were based on information provided by the applicant. The anticipated average trip length, trips per day, vehicle miles traveled (VMT) per day, trips per year, and VMT per year by project vehicle category in 2022, 2027, and 2033 are shown in Table 7, Operations On-Road On-Site Vehicle Trip Assumptions. In addition, a portion of the on-road off-site vehicle trips from Table 8 of the Air Quality and Greenhouse Gas Emissions Analysis Technical Report for the Idaho-Maryland Mine Project, Nevada County, California were included in the analysis (Rise Grass Valley Inc. 2021a).

Table 7. Operations On-Road On-Site Vehicle Trip Assumptions

Project Vehicle	Trip Length (miles)	Maximum Daily Trips (trips/day)	Maximum Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Year 2022 to Year 2026 – Engineered Fill to Centennial					
Engineered Fill Haul Trucks	0.52	200	104	36,500	18,980
On-site-Only Soil Haul Trucks	0.10	24	2.28	8,760	832
Freight Trucks	0.26	6	2	312	81
Concentrate Trucks	0.26	10	3	728	189
Fuel Trucks	0.26	6	2	108	28
Cement Trucks	0.26	4	1	936	243
Explosives Trucks	0.26	2	1	104	27
On-site-Only Water Trucks	0.44	8	3.52	2,920	1,285
Outside Services (light vehicles)	0.26	8	2	2,184	568
On-site-Only Light-Duty Trucks	0.19	24	5	8,760	1,664
Employees	0.12	356	43	120,788	14,495
Year 2027 to Year 2032 – Engineered Fill to Brunswick Site					
Engineered Fill Haul Trucks	0.64	200	127	36,500	23,178
On-site-Only Soil Haul Trucks	0.10	24	2.28	8,760	832
Freight Trucks	0.26	6	2	312	81
Concentrate Trucks	0.26	10	3	728	189
Fuel Trucks	0.26	6	2	108	28
Cement Trucks	0.26	4	1	936	243
Explosives Trucks	0.26	2	1	104	27
On-site-Only Water Trucks	0.44	8	3.52	2,920	1,285
Outside Services (light vehicles)	0.26	8	2	2,184	568
On-site-Only Light-Duty Trucks	0.19	24	5	8,760	1,664

Table 7. Operations On-Road On-Site Vehicle Trip Assumptions

Project Vehicle	Trip Length (miles)	Maximum Daily Trips (trips/day)	Maximum Daily VMT (VMT/day)	Annual Trips (trips/year)	Annual VMT (VMT/year)
Employees	0.12	356	43	120,788	14,495
Year 2033 to Year 2102 - Engineered Fill to Other Customers					
Engineered Fill Haul Trucks	0.52	200	104	36,500	18,980
On-site-Only Soil Haul Trucks	0.10	24	2.28	8,760	832
Freight Trucks	0.26	6	2	312	81
Concentrate Trucks	0.26	10	3	728	189
Fuel Trucks	0.26	6	2	108	28
Cement Trucks	0.26	4	1	936	243
Explosives Trucks	0.26	2	1	104	27
On-site-Only Water Trucks	0.44	8	3.52	2,920	1,285
Outside Services (light vehicles)	0.26	8	2	2,184	568
On-site-Only Light-Duty Trucks	0.19	24	5	8,760	1,664
Employees	0.12	356	43	120,788	14,495

Notes: VMT = vehicle miles traveled

All trip lengths were provided by Rise based on anticipated vehicle travel routes on-site.

Emission factors for trucks and passenger vehicles were determined using EMFAC2017, which generates emission factors expressed in grams per mile, grams per trip, and grams per vehicle per day for the fleet in a class of motor vehicles within a county for a particular study year. For this analysis, NSAQMD was selected for the region, and calendar years 2022, 2027, and 2033 were selected in EMFAC to represent the different operational scenarios based on engineered fill destination. For each vehicle emission factor, aggregated values for model year and speed were assumed.

A composite, or weighted-average, emission factor was developed for project vehicle types if more than one vehicle category in EMFAC is anticipated to be representative of the project vehicle. The composite emission factors are weighted by VMT, population, or trips, depending on the emissions process, which is the physical mechanism that results in the emission of a pollutant. For employee vehicles, the composite emission factor represents the weighted average emission rate for passenger vehicles (light-duty automobiles), light-duty trucks (LDT1, 0–3,750 pounds), light-duty trucks (LDT2, 3,751–5,750 pounds), and the percentage of diesel-fueled vehicles. All haul trucks (including on-site-only soil haul trucks), freight trucks, explosive trucks, and concentrate trucks were assumed to be heavy-heavy-duty trucks that are diesel-fueled. The fuel trucks, cement delivery trucks, and on-site-only water trucks were assumed to be medium-heavy-duty trucks that are diesel-fueled. The outside services light vehicles were assumed to be a composite of light-duty vehicles and trucks (LDT1, LDT2, LHDT1 [8,501–10,000 pounds], and LHDT2), and a fraction of diesel-fueled. All trip lengths were provided by Rise based on anticipated vehicle travel routes on-site.

Underground Blasting and Crushing. Ore production through tunneling and long-hole blasting produces 1,000 tons per a day (365,000 tons per year) of ore. The ore may be reduced in size using an underground jaw crusher before hoisting it to the surface. For this analysis, it was assumed that approximately 0.93 tons of ammonium nitrate fuel oil (ANFO) would be used daily, and that all ore would be crushed underground. Emission factors from EPA's AP-42:

Compilation of Air Emission Factors were used to estimate emissions for rock blasting (AP-42 Chapter 13.3 – Explosives Detonation and Chapter 11.9 – Western Surface Coal Mining), ANFO (AP-42 Chapter 13.3 – Explosives Detonation) (EPA 1980), detonators (AP-42 Chapter 15.9 – Blasting Caps, Demolition Charges, and Detonators), and crushing (AP-42 Chapter 11.19.2 – Crushed Stone Processing and Pulverized Mineral Processing). According to the safety data sheet for the detonators being used, no TACs would be emitted with OEHHA approved reference exposure levels and therefore would not impact the health risk calculations assessed herein (Orica 2013). The TAC emissions associated with blasting and crushing, ore processing, and earthwork and material handling would include silica emitted from the fugitive dust produced. The applicant estimates that the ore processed would be quartz veins hosted primarily within andesite rock and an assumed 60% silica content. For conservatism all particulate matter less than 10 micron in diameter (PM₁₀) is assumed to be respirable. The applicant has prepared an Asbestos, Serpentine, and Ultramafic Rock Management Plan (ASUR Plan) which is designed to minimize asbestos content in the engineered fill produced by the project and rock mined and processed (Rise Grass Valley Inc. 2021b). The ASUR plan requires testing of all mined materials to ensure that the average content of naturally occurring asbestos does not exceed 0.01% by mass of PCM equivalent units³. The ASUR plan also ensures that no engineered fill with detectable asbestos, determined by Polarized Light Microscopy (PLM), would be used for surfacing applications. The ASUR plan includes asbestos testing by Transmission Electron Microscopy (TEM) to ensure the average content of naturally occurring asbestos does not exceed 0.01% by mass of PCM equivalent units. TEM is the preferred analytical method for outdoor asbestos samples because of its ability to detect small fibers (greater than or equal to 0.0002 microns in diameter) and to distinguish between asbestos fibers and non-asbestos fibers. The term “TEM structures” is often used to describe asbestos fibers detected by this method. TEM is the method recommended by the Office of Environmental Health Hazard Assessment (OEHHA). However, TEM measurements cannot be directly related to the cancer potency factors because the studies upon which OEHHA’s risk assessment was based used PCM analysis. Thus, the TEM measurements must be converted to PCM-equivalent units. A conservative approach for the modelling of TAC emissions is used, with the asbestos content in mined materials assumed at the maximum of 0.01% by mass of PCM equivalent units. The average asbestos content of the materials mined is of primary concern since asbestos does not have established acute noncancer effects (OEHHA 2020). Therefore, only the average asbestos emissions that could be generated over the long-term (per year), and associated long-term health risk, has been evaluated herein. However, it should be noted that since mine operations would be required to comply with MSHA PELs that protect underground workers from asbestos fiber exposure during short-term shifts, this compliance would also result in limiting potential emissions of asbestos aboveground from the shaft in general. Blasting and crushing would also result in emissions of dust with trace heavy metal TACs including arsenic, beryllium, cadmium, copper, lead, manganese, mercury, nickel, selenium, and vanadium. Concentrations of each heavy metal within the barren and mineralized rock was taken from Table 4-7 of the *Groundwater Hydrology and Water Quality Analysis Report for the Idaho-Maryland Mine Project* (EMKO Environmental, Inc. 2020). Based on the PM₁₀ emissions estimated, emissions of asbestos, silica, and heavy metals were estimated for purposes of this HRA. Other emissions of TACs from blasting pertain to the combustion of ANFO which were estimated based on emission factors from *AB 2588 Combustion Emission Factors for Fuel Oil* (Ventura County Air Pollution Control District 2001).

Ore Processing. Ore hoisted from the Brunswick shaft would be placed in the existing concrete silo located on the Brunswick Industrial Site and then transported using chutes and enclosed conveyors to a fully enclosed ore processing plant. Ore would be conveyed from the silo to inside the processing plant and grinding mill where water would be added and the ore ground to size before the gold is recovered. A gravity concentrator is in the grinding circuit to recover approximately 70% of the gold. The slurry of ore and water that results from this process would

³ PCM equivalent units are calculated in accordance with OEHHA Air Toxics Hot Spots Program Guidelines. 1 PCM fiber = 320 TEM structures, 100 PCM fibers = 0.003ug (OEHHA 2015)

be pumped to a second gold recovery system, sulfide flotation, where the remaining recoverable gold is captured in a sulfide mineral concentrate. Each method would remove gold from the ore into a concentrate. The gold concentrate would be dewatered using thickeners and filter presses before it is bagged for off-site shipment. The gravity gold concentrate may be further concentrated on site using gravity and water to create gold doré bars. Approximately 20 tons of gold concentrate would be produced and bagged on site per day. Sand tailings (waste) from the gold recovery process would be dewatered and used for either backfill for the underground mine or stockpiled for transport and used as engineered fill. Emission factors from EPA's AP-42: Compilation of Air Emission Factors were used to estimate emissions of particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM₁₀) and particulate matter with an aerodynamic diameter less than or equal to 2.5 microns (PM_{2.5}) for conveyance/transfer of the ore to the processing building (AP-42 Chapter 11.19.2 – Crushed Stone Processing and Pulverized Mineral Processing) (EPA 2004), material handling and transfer (AP-42 Chapter 11.24 – Metallic Minerals Processing) (EPA 1982), and cement loading (AP-42 Chapter 11.12 – Concrete Batching) (EPA 2006a). Once inside the processing building, all processes are considered wet and would not generate fugitive dust. Based on the PM₁₀ emissions estimated and the lab sample results, emissions of asbestos, silica, and heavy metals were estimated for purposes of this HRA.

Fuel Tank Storage. Volatile organic compound emissions from breathing, and working losses associated with the aboveground diesel storage tanks were estimated using the EPA TANKS model (version 4.09d). It was assumed that a 30,000-gallon tank and 1,200-gallon tank would be located at the Brunswick and Centennial Industrial Site, respectively. TAC emissions from diesel storage include benzene, hexane, toluene, and 2,2,4-trimethylpentane.

Diesel Generators. In addition to the typical day-to-day operational off-road equipment listed in Table 6, four 2,655 horsepower diesel generators would be installed as emergency backup for Pacific Gas & Electric (PG&E) line power outages during operations. For purposes of the HRA, the emergency generators were assumed to operate for up to 100 hours per year in accordance with CARB's Airborne Toxics Control Measure for Stationary Compression Ignition Engines, 17 CCR § 93115. Emissions for the generators were estimated based on the exhaust emission data sheets for the representative Cummins model QSK60-G17, which are Tier 4 Final engines.

Logging and Chipping

Removal of trees and vegetation located at the engineered fill placement pads on the Centennial and Brunswick Industrial Sites would occur concurrently with fill placement. As such, the entire 24-acres would not be cleared at once but would rather occur over brief periods for a period of approximately 11-years. For the criteria air pollutant analysis, a worst-case day was assumed. For the TACs and GHGs, the total emissions for logging and chipping the 24-acres were amortized over 11-years to determine an annual average. The off-road equipment and on-road vehicle assumptions for this activity were provided by Rise and are presented below in Tables 8 and 9.

Table 8. Off-Road Equipment Assumptions – Logging and Chipping

Location	Equipment				
	Equipment Type	Fuel	Quantity	Usage Hours Per Day	Total Days
	Chainsaw	Diesel	4	6	10
	Grapple loader	Diesel	1	6	10
	Front-end loader	Diesel	1	6	10
	Skidder	Diesel	1	6	10

Table 8. Off-Road Equipment Assumptions – Logging and Chipping

Location	Equipment				
	Equipment Type	Fuel	Quantity	Usage Hours Per Day	Total Days
Logging and Chipping at the Centennial Industrial Site and Brunswick Industrial Site	Grinder	Diesel	1	4	5
	Excavator	Diesel	2	4	5

Notes: See Appendix A for details.

“Total Days” represents the anticipated duration to complete the entire logging and chipping of the 24-acres to be cleared.

Table 9. On-Road Vehicle Trip Assumptions – Logging and Chipping

Project Vehicle	Trip Length (miles)	Maximum Daily Trips (trips/day)	Maximum Daily VMT (VMT/day)	Total Trips	Total VMT
Lumber Haul Trucks	145	22	3,190	220	31,900
Chip Trucks	60	6	360	30	1,800
Low Bed Trucks	60	2	120	10	600
Crew/ Service Trucks	14.7	8	118	80	1,176

Notes: VMT = vehicle miles traveled

“Total Trips” and “Total VMT” represents the anticipated trips and miles needed to complete the entire logging and chipping of the 24-acres to be cleared.

Lumber haul truck trip length of 145 miles was assumed based on distance to lumber sawmills in Redding.

Chip and low bed truck trip lengths of 60 miles were assumed based on the estimated distance from the Centennial and Brunswick Industrial Sites to various other customers in the region.

Crew vehicle trip length of 14.7 miles is based on the CalEEMod default employee rural trip length for NSAQMD.

Earthwork and Material Handling. Barren rock hoisted from the Brunswick shaft will be placed in the existing concrete silo located at the Brunswick Industrial Site. The barren rock will be transported from the concrete silo using a series of chutes and conveyors to a fully enclosed truck loading building. Barren rock may be mixed with sands from the ore processing plant to create an engineered fill that meets appropriate geotechnical specifications for construction of development pads. Engineered fill would be transported from the ore processing facility to a receiving site, where it would be spread using a dozer. Fugitive dust emissions associated with the earthwork activities were estimated using equations and assumptions from EPA AP-42 based on 1,000-ton-per-day material transfer. Emission factors from EPA’s AP-42: Compilation of Air Emission Factors were used to estimate emissions for material handling (AP-42 Chapter 13.2.4 – Aggregate Handling and Storage Piles) (EPA 2006b), bulldozer spreading and fill compaction (AP-42 Chapter 11.9 – Western Surface Coal Mining) (EPA 1998), and wind erosion (AP-42 Chapter 11.9 – Western Surface Coal Mining) (EPA 1998). Notably, for fill transported to off-site industrial sites (for year 2033 and beyond), emissions associated with fill placement were not included since it was assumed that the other industrial facilities are already receiving, or would receive, fill from other sources.

Overall, Table 10 summarizes the potential TAC emissions emitted during the operational phase of the project.

Table 10. Project Annual On-Site Operational TAC Emissions

Source	Pollutant (Tons per year) ^a																																	
	DPM	Asbestos	Silica	Benzene	Hexane	Toluene	2,2,4-Trimethylpentane	Arsenic	Beryllium	Cadmium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Vanadium	Acetaldehyde	Acrolein	1,3-butadiene	Arsenic	Chlorobenzene	Chromium	Hexavalent Chromium	Ethyl Benzene	Formaldehyde	Hydrochloric Acid	Zinc	Naphthalene		p-Xylene	PAHs	Propylene	Sodium Hydroxide
2022 – 2026																																		
Off-Road Equipment	1.13E-02	—	—	—	—	—	—	3.41E-10	2.32E-11	6.03E-11	1.24E-08	9.01E-10	1.30E-07	5.24E-09	6.66E-09	4.32E-11	1.52E-08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
On-Road Vehicles	2.10E-03	3.44E-05	2.07E-01	—	—	—	—	1.59E-06	1.08E-07	2.81E-07	5.77E-05	4.20E-06	6.08E-04	2.45E-05	3.11E-05	2.02E-07	7.11E-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Underground Blasting and Crushing	—	5.01E-05	1.55E-01	4.40E-03	1.28E-05	1.61E-05	—	1.12E-05	4.24E-08	1.73E-07	3.95E-05	7.48E-06	3.37E-04	1.99E-05	1.94E-05	4.27E-07	4.31E-05	1.28E-03	1.28E-03	5.42E-05	5.86E-06	7.32E-07	2.20E-06	3.66E-07	7.32E-07	1.28E-03	6.82E-04	8.20E-05	1.94E-05	5.86E-06	1.82E-04	3.66E-05	—	—
Ore Processing	—	5.11E-06	3.06E-02	—	—	—	—	1.83E-06	2.10E-09	1.84E-08	1.42E-06	1.20E-06	1.64E-05	2.28E-06	1.58E-07	5.05E-08	2.58E-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.11E-03
Fuel Tank Storage	—	—	—	5.00E-04	1.00E-03	3.00E-04	9.00E-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diesel Generators	4.68E-03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Earthwork and Material Handling	—	6.46E-04	3.99E+00	—	—	—	—	3.43E-05	2.33E-06	6.06E-06	1.24E-03	9.05E-05	1.31E-02	5.27E-04	6.68E-04	4.34E-06	1.53E-03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.81E-02	7.36E-04	4.38E+00	4.90E-03	1.01E-03	3.16E-04	9.00E-05	4.89E-05	2.48E-06	6.53E-06	1.34E-03	1.03E-04	1.41E-02	5.74E-04	7.19E-04	5.02E-06	1.64E-03	1.28E-03	1.28E-03	5.42E-05	5.86E-06	7.32E-07	2.20E-06	3.66E-07	7.32E-07	1.28E-03	6.82E-04	8.20E-05	1.94E-05	5.86E-06	1.82E-04	3.66E-05	4.11E-03	—
2027 – 2032																																		
Off-Road Equipment	1.13E-02	—	—	—	—	—	—	3.41E-10	2.32E-11	6.03E-11	1.24E-08	9.01E-10	1.30E-07	5.24E-09	6.66E-09	4.32E-11	1.52E-08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
On-Road Vehicles	1.86E-03	4.05E-05	2.43E-01	—	—	—	—	2.37E-06	1.61E-07	4.18E-07	8.57E-05	6.25E-06	9.03E-04	3.64E-05	4.64E-05	2.99E-07	1.06E-04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Underground Blasting and Crushing	—	5.01E-05	1.55E-01	4.40E-03	1.28E-05	1.61E-05	—	1.12E-05	4.24E-08	1.73E-07	3.39E-05	7.48E-06	3.37E-04	1.99E-05	1.94E-05	4.27E-07	4.31E-05	1.28E-03	1.28E-03	5.42E-05	5.86E-06	7.32E-07	2.20E-06	3.66E-07	7.32E-07	1.28E-03	6.82E-04	8.20E-05	1.94E-05	5.86E-06	1.82E-04	3.66E-05	—	—
Ore Processing	—	5.11E-06	3.06E-02	—	—	—	—	1.83E-06	2.10E-09	1.84E-08	1.42E-06	1.20E-06	1.64E-05	2.28E-06	1.58E-07	5.05E-08	2.58E-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.11E-03
Fuel Tank Storage	—	—	—	5.00E-04	1.00E-03	3.00E-04	9.00E-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diesel Generators	4.68E-03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Earthwork and Material Handling	—	6.46E-04	3.99E+00	—	—	—	—	3.43E-05	2.33E-06	6.06E-06	1.24E-03	9.05E-05	1.31E-02	5.27E-04	6.68E-04	4.34E-06	1.53E-03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.78E-02	7.42E-04	4.42E+00	4.90E-03	1.01E-03	3.16E-04	9.00E-05	4.97E-05	2.54E-06	6.67E-06	1.36E-03	1.05E-04	1.44E-02	5.86E-04	7.34E-04	5.12E-06	1.68E-03	1.28E-03	1.28E-03	5.42E-05	5.86E-06	7.32E-07	2.20E-06	3.66E-07	7.32E-07	1.28E-03	6.82E-04	8.20E-05	1.94E-05	5.86E-06	1.82E-04	3.66E-05	4.11E-03	—
2033 – 2102																																		
Off-Road Equipment	5.44E-03	—	—	—	—	—	—	3.41E-10	2.32E-11	6.03E-11	1.24E-08	9.01E-10	1.30E-07	5.24E-09	6.66E-09	4.32E-11	1.52E-08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
On-Road Vehicles	1.51E-03	2.01E-05	1.21E-01	—	—	—	—	2.28E-06	1.55E-07	4.03E-07	8.26E-05	6.02E-06	8.70E-04	3.51E-05	4.45E-05	2.89E-07	1.02E-04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Underground Blasting and Crushing	—	5.01E-05	1.55E-01	4.40E-03	1.28E-05	1.61E-05	—	1.12E-05	4.24E-08	1.73E-07	3.39E-05	7.48E-06	3.37E-04	1.99E-05	1.94E-05	4.27E-07	4.31E-05	1.28E-03	1.28E-03	5.42E-05	5.86E-06	7.32E-07	2.20E-06	3.66E-07	7.32E-07	1.28E-03	6.82E-04	8.20E-05	1.94E-05	5.86E-06	1.82E-04	3.66E-05	—	—
Ore Processing	—	5.11E-06	3.06E-02	—	—	—	—	1.83E-06	2.10E-09	1.84E-08	1.42E-06	1.20E-06	1.64E-05	2.28E-06	1.58E-07	5.05E-08	2.58E-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.11E-03
Fuel Tank Storage	—	—	—	5.00E-04	1.00E-03	3.00E-04	9.00E-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diesel Generators	4.68E-03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Earthwork and Material Handling	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.16E-02	7.53E-05	3.07E-01	4.90E-03	1.01E-03	3.16E-04	9.00E-05	1.53E-05	2.00E-07	5.94E-07	1.18E-04	1.47E-05	1.22E-03	5.73E-05	6.41E-05	7.67E-07	1.45E-04	1.28E-03	1.28E-03	5.42E-05	5.86E-06	7.32E-07	2.20E-06	3.66E-07	7.32E-07	1.28E-03	6.82E-04	8.20E-05	1.94E-05	5.86E-06	1.82E-04	3.66E-05	4.11E-03	—

Notes:
^a The emissions are presented in scientific E-notation, as is common when discussing very large or very small numbers and moving data from one application to another. A value of 1.11E-11, for instance, is equivalent to 0.0000000000111 in decimal notation (or 1.11 × 10⁻¹¹ in scientific notation).
TAC = toxic air contaminant; DPM = diesel particulate matter; PAHs = polycyclic aromatic hydrocarbons.

Reclamation

The project will complete an approximately 3-month reclamation phase once operation ceases in 2102. The emissions from the reclamation phase are minimal compared to the construction and operational phases discussed above. Reclamation will also take place beyond the 30-year exposure duration in accordance with OEHHA's 2015 guidance. As such, emissions from the reclamation phase were not included in this assessment.

4.3 Health Risk Assessment Methodology

In March 2015, the OEHHA approved the 2015 Risk Assessment Guidelines Manual (OEHHA 2015). The construction and operational HRA was prepared following the 2015 Risk Assessment Guidelines Manual. Cancer and noncancer health risk calculations were performed for the project using ground-level unity emission concentration (X/Q) input from AERMOD. This modeling established the emissions dispersion field to the existing sensitive receptors from atmospheric influence of the stationary source emissions. Plot files generated in AERMOD were then imported into HARP2, with ground level concentrations determined by multiplication of emission rates and X/Q values for each source of emissions. HARP2 then assessed resulting cancer and noncancer risk at the existing receptors from exposure to TAC emissions using the OEHHA derived calculation method.

Because the equipment used and emission profiles during construction and operation are very similar for mining projects (including the proposed project), the HRA included both short-term construction and long-term operations in the analysis. Furthermore, the HRA began risk evaluation exposure within the third trimester of pregnancy with a 30-year exposure duration, consistent with the 2015 OEHHA Guidelines.⁴

⁴ OEHHA describes cancer risk evaluations for 9-, 30-, and 70-year exposure durations in the 2015 OEHHA Guidelines, and identifies that the 9- and 30-year durations correspond to the average and high-end of residency time recommended by the EPA, with the 30-year exposure duration recommended for use as the basis for estimating cancer risk at the maximally exposed individual resident in all HRAs (OEHHA 2015).

5 Health Risk Results

The cancer risk calculations were performed by multiplying the AERMOD-predicted TAC concentrations in $\mu\text{g}/\text{m}^3$ per unit grams per second due to TAC emissions from trucks, off-road equipment, underground blasting/crushing, ore processing, fuel tank storage, backup diesel generators, and material handling by the appropriate risk values. The potential exposure pathways for the TAC emissions evaluated in this HRA were based on the 2015 OEHA guidance incorporated in HARP 2.

The maximally exposed receptor would be the nearest existing residence to the north of the Brunswick Industrial Site. Potential health risk at the maximally exposed individual resident (MEIR) resulting from construction and operational activities are shown in Table 11.

Table 11. Project Construction and Operation Total Health Risk

Receptor	Cancer Risk (persons per million)	Chronic Impact	Acute Impact
Unmitigated Project			
Maximally Exposed Individual Resident ¹	10.4	0.6	0.004
NSAQMD Significance Criteria	10	1.0	1.0
Exceed Threshold?	Yes	No	No
Mitigated Project²			
Maximally Exposed Individual Resident ¹	7.6	0.6	0.004
NSAQMD Significance Criteria	10	1.0	1.0
Exceed Threshold?	No	No	No

Source: Appendix A

Notes: NSAQMD = Northern Sierra Air Quality Management District.

TAC exposure at receptors modeled with AERMOD, which were then input into HARP2 to generate health risk estimates. Exposure was assumed to begin in the 3rd trimester of pregnancy for a duration of 30-years.

¹ The maximally exposed individual resident for annual cancer and chronic health risk impacts is located north of the project site at UTM coordinates 671091.4 meter Easting (m E)/4342277.23 meters Northing (m N)

² Mitigated emissions include implementation of MM-AQ-2.

As shown in Table 11, the incremental cancer risk at the MEIR of 10.4 in 1 million (assuming exposure starts in third trimester) from project construction and operation would exceed the NSAQMD threshold of 10 in 1 million without mitigation. With incorporation of higher-tier engines during construction, as included in MM-AQ-2, the project would result in an incremental cancer risk of 7.6 in 1 million. The unmitigated and mitigated chronic hazard index would be 0.6 and 0.6 at the MEIR, respectively, which would be below the NSAQMD threshold of 1.0. The unmitigated and mitigated acute hazard index would be 0.004 and 0.004 at the MEIR, respectively, which would be below the NSAQMD threshold of 1.0. Project health risk impacts associated with construction and operation would, thus, be less than significant with mitigation.

6 Conclusions

The results determined in this analysis reflect reasonable estimates of source emissions and exhaust characteristics, available meteorological data near the project site, and the use of currently approved air quality models. Given the limits of available tools for such an analysis, the actual impacts may vary from the estimates in this assessment. However, the combined use of the AERMOD dispersion model and the health impact calculations required by OEHHA and NSAQMD tend to overpredict impacts, such that they produce conservative (i.e., health-protective) results. For this reason, the estimated cancer risks and noncancer hazard indices reported in this analysis are likely upper-bound estimates for potential exposure to project-related emissions. In addition, the estimated cancer risks and noncancer hazard indices represent the maximum exposed individual (resident) and do not represent the risk over a broad area. The actual risks of cancer or noncancer effects from the project are likely to be lower than presented herein.

Based on this analysis, project construction and operations would result in potential cancer risk that would be less than significant. The project would result in chronic and acute health risk that would be less than significant without mitigation.

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Appendix A

HARP2 and AERMOD Output Files

Table of Contents

IMM.ADO	2
IMM.sum	1411
Res-1Output	1427
Res-1-MitOutput	1429
Res-2Output	1431
Res-3Output	1433
Res-4Output	1435
Results	1437

** Lakes Environmental AERMOD MPI

**

**

** AERMOD Input Produced by:

** AERMOD View Ver. 10.0.1

** Lakes Environmental Software Inc.

** Date: 10/4/2021

** File: F:\Lakes\IMM\IMM - Blue Canyon\IMM.ADI

**

**

**

** AERMOD Control Pathway

**

**

CO STARTING

TITLEONE C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc

MODELOPT DFAULT CONC

AVERTIME 1 PERIOD

POLLUTID VARIOUS

RUNORNOT RUN

ERRORFIL IMM.err

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

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

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** DESCRSRC Ore Processing Truck Loading

LOCATION	STCK1	POINTCAP	671237.410	4342061.976	840.410

** DESCRSRC Ore Processing Exhaust Fan 1

LOCATION	STCK2	POINTCAP	671243.946	4342051.566	840.360

** DESCRSRC Ore Processing Exhaust Fan 2

LOCATION	STCK3	POINTCAP	671264.279	4342024.699	840.460

** DESCRSRC Ore Processing Exhaust Fan 3

LOCATION	STCK4	POINTCAP	671272.574	4342012.214	840.450

** DESCRSRC Ore Processing Exhaust Fan 4

LOCATION	STCK5	POINTCAP	671286.504	4341987.718	840.310

** DESCRSRC Ore Processing Exhaust Fan 5

LOCATION	STCK6	POINTCAP	671295.273	4341977.712	840.420

** DESCRSRC Ore Processing Exhaust Fan 6

LOCATION	STCK7	POINT	671115.583	4342068.184	835.760

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** DESCRSRC Underground Shaft
  LOCATION STCK8          POINTCAP    671278.460  4341926.760      837.710
** DESCRSRC Generators
  LOCATION STCK9          POINTCAP    671292.061  4341930.711      838.730
** DESCRSRC Brunswick Diesel Storage Tank
  LOCATION STCK10         POINTCAP    669069.330  4343365.526      759.390
** DESCRSRC Centennial Diesel Storage Tank
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Centennial Haul Truck Route
** PREFIX
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** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 25.00
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  LOCATION L0000556      VOLUME    671057.394  4342102.988  842.92
  LOCATION L0000557      VOLUME    671057.565  4342078.727  841.21

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LOCATION	L0000607	VOLUME	670702.782	4342896.310	854.04

LOCATION	L0000608	VOLUME	670682.205	4342910.508	852.89
LOCATION	L0000609	VOLUME	670661.628	4342924.706	851.13
LOCATION	L0000610	VOLUME	670641.051	4342938.904	848.75
LOCATION	L0000611	VOLUME	670620.474	4342953.102	845.76
LOCATION	L0000612	VOLUME	670599.810	4342967.173	843.31
LOCATION	L0000613	VOLUME	670579.083	4342981.152	842.40
LOCATION	L0000614	VOLUME	670558.356	4342995.130	839.79
LOCATION	L0000615	VOLUME	670537.630	4343009.109	836.56
LOCATION	L0000616	VOLUME	670516.903	4343023.087	835.88
LOCATION	L0000617	VOLUME	670496.176	4343037.066	833.49
LOCATION	L0000618	VOLUME	670475.449	4343051.044	832.15
LOCATION	L0000619	VOLUME	670461.961	4343071.754	830.62
LOCATION	L0000620	VOLUME	670449.524	4343093.441	828.02
LOCATION	L0000621	VOLUME	670437.086	4343115.127	825.01
LOCATION	L0000622	VOLUME	670424.648	4343136.814	824.19
LOCATION	L0000623	VOLUME	670412.210	4343158.500	823.83
LOCATION	L0000624	VOLUME	670389.780	4343160.501	824.41
LOCATION	L0000625	VOLUME	670364.933	4343157.740	825.43
LOCATION	L0000626	VOLUME	670341.914	4343162.615	826.06
LOCATION	L0000627	VOLUME	670321.013	4343176.332	826.16
LOCATION	L0000628	VOLUME	670300.112	4343190.048	826.00
LOCATION	L0000629	VOLUME	670276.484	4343198.190	826.16
LOCATION	L0000630	VOLUME	670252.825	4343206.268	826.25
LOCATION	L0000631	VOLUME	670229.167	4343214.347	826.29
LOCATION	L0000632	VOLUME	670205.508	4343222.425	826.32
LOCATION	L0000633	VOLUME	670181.849	4343230.504	826.45
LOCATION	L0000634	VOLUME	670158.190	4343238.582	826.58
LOCATION	L0000635	VOLUME	670134.532	4343246.661	826.49
LOCATION	L0000636	VOLUME	670110.873	4343254.740	826.16
LOCATION	L0000637	VOLUME	670087.214	4343262.818	825.87
LOCATION	L0000638	VOLUME	670063.555	4343270.897	825.62
LOCATION	L0000639	VOLUME	670039.897	4343278.975	825.73
LOCATION	L0000640	VOLUME	670016.238	4343287.054	825.84
LOCATION	L0000641	VOLUME	669992.579	4343295.133	825.84
LOCATION	L0000642	VOLUME	669968.920	4343303.211	825.83
LOCATION	L0000643	VOLUME	669944.043	4343301.115	825.07
LOCATION	L0000644	VOLUME	669919.146	4343298.852	823.99
LOCATION	L0000645	VOLUME	669894.248	4343296.589	821.74
LOCATION	L0000646	VOLUME	669869.351	4343294.325	820.43
LOCATION	L0000647	VOLUME	669844.454	4343292.062	818.25
LOCATION	L0000648	VOLUME	669819.556	4343289.798	815.80
LOCATION	L0000649	VOLUME	669794.659	4343287.535	814.04
LOCATION	L0000650	VOLUME	669769.816	4343284.746	811.45
LOCATION	L0000651	VOLUME	669744.984	4343281.858	810.17
LOCATION	L0000652	VOLUME	669720.162	4343279.298	808.45
LOCATION	L0000653	VOLUME	669695.580	4343283.850	805.61
LOCATION	L0000654	VOLUME	669670.998	4343288.402	804.42
LOCATION	L0000655	VOLUME	669646.416	4343292.954	800.71
LOCATION	L0000656	VOLUME	669623.138	4343301.176	798.14
LOCATION	L0000657	VOLUME	669601.201	4343313.165	796.75

LOCATION L0000658	VOLUME	669579.263	4343325.154	793.05
LOCATION L0000659	VOLUME	669557.326	4343337.144	790.56
LOCATION L0000660	VOLUME	669535.388	4343349.133	787.72
LOCATION L0000661	VOLUME	669513.450	4343361.122	784.46
LOCATION L0000662	VOLUME	669491.162	4343370.220	782.47
LOCATION L0000663	VOLUME	669466.996	4343363.817	782.99
LOCATION L0000664	VOLUME	669442.830	4343357.414	783.33
LOCATION L0000665	VOLUME	669418.664	4343351.011	783.62
LOCATION L0000666	VOLUME	669394.498	4343344.608	783.59
LOCATION L0000667	VOLUME	669370.332	4343338.205	782.90
LOCATION L0000668	VOLUME	669346.166	4343331.802	780.20
LOCATION L0000669	VOLUME	669322.000	4343325.399	778.62
LOCATION L0000670	VOLUME	669300.216	4343315.034	777.83
LOCATION L0000671	VOLUME	669283.231	4343296.690	777.20
LOCATION L0000672	VOLUME	669266.246	4343278.346	776.29
LOCATION L0000673	VOLUME	669265.446	4343253.659	775.85

** End of LINE VOLUME Source ID = SLINE2

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE3

** DESCRSRC Centennial Offroad Equipment

** PREFIX

** Length of Side = 25.00

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 25.00

** SZINIT = 11.63

** Nodes = 64

** 669106.226, 4343359.995, 760.73, 5.00, 11.63

** 668967.259, 4343323.794, 757.43, 5.00, 11.63

** 668838.803, 4343310.948, 756.61, 5.00, 11.63

** 668754.722, 4343293.431, 758.71, 5.00, 11.63

** 668737.205, 4343246.720, 764.62, 5.00, 11.63

** 668717.353, 4343228.035, 767.38, 5.00, 11.63

** 668692.829, 4343086.733, 769.14, 5.00, 11.63

** 668737.205, 4343082.062, 766.96, 5.00, 11.63

** 668774.574, 4343059.874, 766.42, 5.00, 11.63

** 668813.111, 4343026.008, 767.57, 5.00, 11.63

** 668852.816, 4343042.357, 768.02, 5.00, 11.63

** 668926.387, 4343056.370, 772.32, 5.00, 11.63

** 668955.581, 4343035.350, 774.13, 5.00, 11.63

** 668971.930, 4343010.827, 774.73, 5.00, 11.63

** 669029.152, 4342971.122, 774.66, 5.00, 11.63

** 669087.541, 4342965.283, 776.04, 5.00, 11.63

** 669169.286, 4342960.612, 777.58, 5.00, 11.63

** 669196.145, 4342954.773, 778.94, 5.00, 11.63

** 669280.226, 4342936.088, 782.26, 5.00, 11.63

** 669328.105, 4342933.753, 784.19, 5.00, 11.63

** 669343.287, 4342986.303, 782.40, 5.00, 11.63

** 669288.401, 4343266.572, 777.42, 5.00, 11.63

** 669262.709, 4343231.538, 775.80, 5.00, 11.63
 ** 669234.682, 4343232.706, 774.55, 5.00, 11.63
 ** 669208.991, 4343210.518, 769.72, 5.00, 11.63
 ** 669126.078, 4343273.579, 764.00, 5.00, 11.63
 ** 669100.387, 4343328.465, 761.59, 5.00, 11.63
 ** 668773.407, 4343266.572, 759.94, 5.00, 11.63
 ** 668725.527, 4343112.424, 766.17, 5.00, 11.63
 ** 668815.447, 4343061.042, 764.35, 5.00, 11.63
 ** 668932.226, 4343089.068, 769.01, 5.00, 11.63
 ** 668985.944, 4343056.370, 772.49, 5.00, 11.63
 ** 669027.984, 4343008.491, 773.77, 5.00, 11.63
 ** 669158.776, 4342995.646, 775.13, 5.00, 11.63
 ** 669295.407, 4342971.122, 779.05, 5.00, 11.63
 ** 669303.582, 4343009.659, 775.40, 5.00, 11.63
 ** 669268.548, 4343198.840, 773.96, 5.00, 11.63
 ** 669207.823, 4343174.317, 768.18, 5.00, 11.63
 ** 669105.058, 4343256.062, 764.26, 5.00, 11.63
 ** 669081.702, 4343296.935, 762.13, 5.00, 11.63
 ** 668802.601, 4343242.049, 759.63, 5.00, 11.63
 ** 668758.225, 4343128.773, 763.32, 5.00, 11.63
 ** 668820.118, 4343091.404, 762.38, 5.00, 11.63
 ** 668945.071, 4343127.605, 768.15, 5.00, 11.63
 ** 669053.675, 4343040.021, 772.56, 5.00, 11.63
 ** 669261.542, 4343010.827, 774.88, 5.00, 11.63
 ** 669244.025, 4343154.465, 770.79, 5.00, 11.63
 ** 669177.461, 4343149.793, 768.57, 5.00, 11.63
 ** 669073.528, 4343239.713, 765.99, 5.00, 11.63
 ** 669059.514, 4343266.572, 763.62, 5.00, 11.63
 ** 668834.132, 4343218.693, 760.61, 5.00, 11.63
 ** 668799.098, 4343148.626, 761.59, 5.00, 11.63
 ** 668831.796, 4343120.599, 761.92, 5.00, 11.63
 ** 668966.091, 4343161.471, 769.25, 5.00, 11.63
 ** 669071.192, 4343076.223, 771.12, 5.00, 11.63
 ** 669219.501, 4343049.364, 774.42, 5.00, 11.63
 ** 669217.166, 4343120.599, 769.49, 5.00, 11.63
 ** 669150.602, 4343120.599, 769.54, 5.00, 11.63
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 ** 668845.809, 4343154.465, 761.56, 5.00, 11.63
 ** 668989.447, 4343187.163, 769.89, 5.00, 11.63
 ** 669078.199, 4343115.928, 769.15, 5.00, 11.63
 ** 669173.958, 4343087.901, 771.20, 5.00, 11.63

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LOCATION L0000149	VOLUME	669094.130	4343356.844	760.45
LOCATION L0000150	VOLUME	669069.937	4343350.542	759.85
LOCATION L0000151	VOLUME	669045.744	4343344.239	759.34
LOCATION L0000152	VOLUME	669021.552	4343337.937	758.75
LOCATION L0000153	VOLUME	668997.359	4343331.635	758.05
LOCATION L0000154	VOLUME	668973.167	4343325.333	757.58
LOCATION L0000155	VOLUME	668948.458	4343321.913	757.33

LOCATION	L0000156	VOLUME	668923.582	4343319.426	757.06
LOCATION	L0000157	VOLUME	668898.706	4343316.938	756.92
LOCATION	L0000158	VOLUME	668873.830	4343314.451	756.80
LOCATION	L0000159	VOLUME	668848.954	4343311.963	756.70
LOCATION	L0000160	VOLUME	668824.316	4343307.930	756.79
LOCATION	L0000161	VOLUME	668799.841	4343302.831	757.03
LOCATION	L0000162	VOLUME	668775.367	4343297.732	757.06
LOCATION	L0000163	VOLUME	668753.348	4343289.768	759.90
LOCATION	L0000164	VOLUME	668744.570	4343266.360	763.44
LOCATION	L0000165	VOLUME	668734.275	4343243.962	765.13
LOCATION	L0000166	VOLUME	668717.052	4343226.299	767.99
LOCATION	L0000167	VOLUME	668712.777	4343201.667	766.10
LOCATION	L0000168	VOLUME	668708.502	4343177.035	765.37
LOCATION	L0000169	VOLUME	668704.227	4343152.404	766.56
LOCATION	L0000170	VOLUME	668699.952	4343127.772	767.65
LOCATION	L0000171	VOLUME	668695.677	4343103.140	768.58
LOCATION	L0000172	VOLUME	668701.131	4343085.859	768.60
LOCATION	L0000173	VOLUME	668725.994	4343083.242	767.40
LOCATION	L0000174	VOLUME	668749.008	4343075.054	766.75
LOCATION	L0000175	VOLUME	668770.504	4343062.290	766.38
LOCATION	L0000176	VOLUME	668789.798	4343046.495	766.79
LOCATION	L0000177	VOLUME	668808.577	4343029.993	767.48
LOCATION	L0000178	VOLUME	668830.647	4343033.228	767.29
LOCATION	L0000179	VOLUME	668853.823	4343042.549	768.03
LOCATION	L0000180	VOLUME	668878.381	4343047.227	769.92
LOCATION	L0000181	VOLUME	668902.940	4343051.904	771.39
LOCATION	L0000182	VOLUME	668927.305	4343055.709	771.57
LOCATION	L0000183	VOLUME	668947.593	4343041.102	773.49
LOCATION	L0000184	VOLUME	668963.989	4343022.739	774.43
LOCATION	L0000185	VOLUME	668980.708	4343004.736	774.74
LOCATION	L0000186	VOLUME	669001.247	4342990.484	774.61
LOCATION	L0000187	VOLUME	669021.787	4342976.232	774.53
LOCATION	L0000188	VOLUME	669045.108	4342969.526	774.41
LOCATION	L0000189	VOLUME	669069.984	4342967.039	774.88
LOCATION	L0000190	VOLUME	669094.884	4342964.863	776.07
LOCATION	L0000191	VOLUME	669119.844	4342963.437	776.49
LOCATION	L0000192	VOLUME	669144.803	4342962.011	776.79
LOCATION	L0000193	VOLUME	669169.752	4342960.511	777.82
LOCATION	L0000194	VOLUME	669194.182	4342955.200	778.81
LOCATION	L0000195	VOLUME	669218.588	4342949.786	779.21
LOCATION	L0000196	VOLUME	669242.993	4342944.362	779.64
LOCATION	L0000197	VOLUME	669267.398	4342938.939	780.99
LOCATION	L0000198	VOLUME	669292.071	4342935.511	782.63
LOCATION	L0000199	VOLUME	669317.041	4342934.293	783.86
LOCATION	L0000200	VOLUME	669331.969	4342947.128	782.91
LOCATION	L0000201	VOLUME	669338.908	4342971.146	782.22
LOCATION	L0000202	VOLUME	669341.514	4342995.354	782.17
LOCATION	L0000203	VOLUME	669336.710	4343019.888	781.96
LOCATION	L0000204	VOLUME	669331.905	4343044.422	780.15
LOCATION	L0000205	VOLUME	669327.100	4343068.956	776.88

LOCATION	L0000206	VOLUME	669322.296	4343093.490	776.03
LOCATION	L0000207	VOLUME	669317.491	4343118.024	775.69
LOCATION	L0000208	VOLUME	669312.687	4343142.558	775.78
LOCATION	L0000209	VOLUME	669307.882	4343167.092	776.34
LOCATION	L0000210	VOLUME	669303.078	4343191.626	776.66
LOCATION	L0000211	VOLUME	669298.273	4343216.160	776.94
LOCATION	L0000212	VOLUME	669293.468	4343240.694	777.40
LOCATION	L0000213	VOLUME	669288.664	4343265.228	777.51
LOCATION	L0000214	VOLUME	669274.426	4343247.516	776.40
LOCATION	L0000215	VOLUME	669257.528	4343231.754	775.64
LOCATION	L0000216	VOLUME	669233.067	4343231.311	774.35
LOCATION	L0000217	VOLUME	669214.146	4343214.970	770.70
LOCATION	L0000218	VOLUME	669194.514	4343221.529	769.05
LOCATION	L0000219	VOLUME	669174.615	4343236.663	768.91
LOCATION	L0000220	VOLUME	669154.717	4343251.798	767.70
LOCATION	L0000221	VOLUME	669134.818	4343266.932	765.12
LOCATION	L0000222	VOLUME	669120.135	4343286.276	762.87
LOCATION	L0000223	VOLUME	669109.536	4343308.919	761.99
LOCATION	L0000224	VOLUME	669097.028	4343327.829	761.26
LOCATION	L0000225	VOLUME	669072.464	4343323.179	760.79
LOCATION	L0000226	VOLUME	669047.900	4343318.530	760.45
LOCATION	L0000227	VOLUME	669023.337	4343313.880	759.96
LOCATION	L0000228	VOLUME	668998.773	4343309.231	759.43
LOCATION	L0000229	VOLUME	668974.209	4343304.581	759.06
LOCATION	L0000230	VOLUME	668949.645	4343299.932	758.80
LOCATION	L0000231	VOLUME	668925.081	4343295.282	758.59
LOCATION	L0000232	VOLUME	668900.517	4343290.632	758.43
LOCATION	L0000233	VOLUME	668875.954	4343285.983	758.38
LOCATION	L0000234	VOLUME	668851.390	4343281.333	758.25
LOCATION	L0000235	VOLUME	668826.826	4343276.684	758.28
LOCATION	L0000236	VOLUME	668802.262	4343272.034	758.45
LOCATION	L0000237	VOLUME	668777.698	4343267.384	759.41
LOCATION	L0000238	VOLUME	668767.287	4343246.869	761.03
LOCATION	L0000239	VOLUME	668759.871	4343222.994	761.51
LOCATION	L0000240	VOLUME	668752.455	4343199.119	762.16
LOCATION	L0000241	VOLUME	668745.040	4343175.244	763.20
LOCATION	L0000242	VOLUME	668737.624	4343151.369	764.59
LOCATION	L0000243	VOLUME	668730.208	4343127.494	765.59
LOCATION	L0000244	VOLUME	668733.532	4343107.850	765.64
LOCATION	L0000245	VOLUME	668755.238	4343095.447	763.88
LOCATION	L0000246	VOLUME	668776.944	4343083.043	763.42
LOCATION	L0000247	VOLUME	668798.650	4343070.640	763.46
LOCATION	L0000248	VOLUME	668820.945	4343062.361	764.22
LOCATION	L0000249	VOLUME	668845.255	4343068.196	765.36
LOCATION	L0000250	VOLUME	668869.565	4343074.030	766.71
LOCATION	L0000251	VOLUME	668893.874	4343079.864	767.92
LOCATION	L0000252	VOLUME	668918.184	4343085.698	768.29
LOCATION	L0000253	VOLUME	668941.246	4343083.578	769.10
LOCATION	L0000254	VOLUME	668962.601	4343070.579	770.64
LOCATION	L0000255	VOLUME	668983.956	4343057.581	772.12

LOCATION	L0000256	VOLUME	669000.903	4343039.333	773.03
LOCATION	L0000257	VOLUME	669017.398	4343020.547	773.31
LOCATION	L0000258	VOLUME	669036.897	4343007.616	773.44
LOCATION	L0000259	VOLUME	669061.777	4343005.172	773.56
LOCATION	L0000260	VOLUME	669086.658	4343002.729	773.87
LOCATION	L0000261	VOLUME	669111.538	4343000.285	774.07
LOCATION	L0000262	VOLUME	669136.418	4342997.841	774.33
LOCATION	L0000263	VOLUME	669161.271	4342995.198	775.28
LOCATION	L0000264	VOLUME	669185.878	4342990.781	776.55
LOCATION	L0000265	VOLUME	669210.484	4342986.365	777.24
LOCATION	L0000266	VOLUME	669235.091	4342981.948	777.39
LOCATION	L0000267	VOLUME	669259.698	4342977.531	777.61
LOCATION	L0000268	VOLUME	669284.305	4342973.115	778.52
LOCATION	L0000269	VOLUME	669298.254	4342984.543	777.78
LOCATION	L0000270	VOLUME	669303.442	4343008.999	774.81
LOCATION	L0000271	VOLUME	669299.152	4343033.578	774.35
LOCATION	L0000272	VOLUME	669294.600	4343058.160	774.36
LOCATION	L0000273	VOLUME	669290.048	4343082.742	774.10
LOCATION	L0000274	VOLUME	669285.496	4343107.324	773.84
LOCATION	L0000275	VOLUME	669280.944	4343131.906	773.71
LOCATION	L0000276	VOLUME	669276.391	4343156.488	774.10
LOCATION	L0000277	VOLUME	669271.839	4343181.070	774.33
LOCATION	L0000278	VOLUME	669262.125	4343196.246	773.76
LOCATION	L0000279	VOLUME	669238.944	4343186.885	771.35
LOCATION	L0000280	VOLUME	669215.763	4343177.523	768.63
LOCATION	L0000281	VOLUME	669194.959	4343184.550	767.94
LOCATION	L0000282	VOLUME	669175.394	4343200.113	767.39
LOCATION	L0000283	VOLUME	669155.829	4343215.676	766.96
LOCATION	L0000284	VOLUME	669136.264	4343231.239	765.36
LOCATION	L0000285	VOLUME	669116.699	4343246.802	764.49
LOCATION	L0000286	VOLUME	669100.035	4343264.853	763.60
LOCATION	L0000287	VOLUME	669087.631	4343286.559	762.33
LOCATION	L0000288	VOLUME	669068.897	4343294.416	761.82
LOCATION	L0000289	VOLUME	669044.367	4343289.592	761.66
LOCATION	L0000290	VOLUME	669019.837	4343284.769	761.46
LOCATION	L0000291	VOLUME	668995.307	4343279.945	761.24
LOCATION	L0000292	VOLUME	668970.777	4343275.121	760.95
LOCATION	L0000293	VOLUME	668946.246	4343270.297	760.70
LOCATION	L0000294	VOLUME	668921.716	4343265.473	760.44
LOCATION	L0000295	VOLUME	668897.186	4343260.649	760.13
LOCATION	L0000296	VOLUME	668872.656	4343255.825	759.91
LOCATION	L0000297	VOLUME	668848.126	4343251.001	759.69
LOCATION	L0000298	VOLUME	668823.596	4343246.177	759.43
LOCATION	L0000299	VOLUME	668801.287	4343238.693	759.78
LOCATION	L0000300	VOLUME	668792.168	4343215.416	760.83
LOCATION	L0000301	VOLUME	668783.049	4343192.138	761.42
LOCATION	L0000302	VOLUME	668773.930	4343168.861	762.28
LOCATION	L0000303	VOLUME	668764.811	4343145.583	762.95
LOCATION	L0000304	VOLUME	668764.172	4343125.183	762.85
LOCATION	L0000305	VOLUME	668785.573	4343112.261	762.04

LOCATION	L0000306	VOLUME	668806.975	4343099.339	761.98
LOCATION	L0000307	VOLUME	668829.384	4343094.089	762.53
LOCATION	L0000308	VOLUME	668853.397	4343101.045	763.43
LOCATION	L0000309	VOLUME	668877.409	4343108.002	764.68
LOCATION	L0000310	VOLUME	668901.422	4343114.959	765.91
LOCATION	L0000311	VOLUME	668925.434	4343121.916	766.89
LOCATION	L0000312	VOLUME	668948.617	4343124.746	768.35
LOCATION	L0000313	VOLUME	668968.078	4343109.052	769.36
LOCATION	L0000314	VOLUME	668987.538	4343093.358	770.39
LOCATION	L0000315	VOLUME	669006.998	4343077.664	771.40
LOCATION	L0000316	VOLUME	669026.459	4343061.971	772.02
LOCATION	L0000317	VOLUME	669045.919	4343046.277	772.41
LOCATION	L0000318	VOLUME	669068.565	4343037.930	772.64
LOCATION	L0000319	VOLUME	669093.322	4343034.453	772.78
LOCATION	L0000320	VOLUME	669118.079	4343030.976	773.26
LOCATION	L0000321	VOLUME	669142.836	4343027.499	773.72
LOCATION	L0000322	VOLUME	669167.593	4343024.022	774.57
LOCATION	L0000323	VOLUME	669192.350	4343020.545	775.35
LOCATION	L0000324	VOLUME	669217.107	4343017.068	775.96
LOCATION	L0000325	VOLUME	669241.864	4343013.590	775.76
LOCATION	L0000326	VOLUME	669260.921	4343015.918	774.81
LOCATION	L0000327	VOLUME	669257.894	4343040.734	774.31
LOCATION	L0000328	VOLUME	669254.868	4343065.550	773.33
LOCATION	L0000329	VOLUME	669251.842	4343090.367	772.29
LOCATION	L0000330	VOLUME	669248.815	4343115.183	771.34
LOCATION	L0000331	VOLUME	669245.789	4343139.999	770.67
LOCATION	L0000332	VOLUME	669233.623	4343153.735	769.84
LOCATION	L0000333	VOLUME	669208.684	4343151.985	768.35
LOCATION	L0000334	VOLUME	669183.746	4343150.234	768.40
LOCATION	L0000335	VOLUME	669163.319	4343162.028	767.97
LOCATION	L0000336	VOLUME	669144.413	4343178.385	767.35
LOCATION	L0000337	VOLUME	669125.507	4343194.742	766.49
LOCATION	L0000338	VOLUME	669106.601	4343211.100	765.87
LOCATION	L0000339	VOLUME	669087.694	4343227.457	765.28
LOCATION	L0000340	VOLUME	669070.629	4343245.270	765.82
LOCATION	L0000341	VOLUME	669058.563	4343266.370	763.62
LOCATION	L0000342	VOLUME	669034.109	4343261.175	764.73
LOCATION	L0000343	VOLUME	669009.655	4343255.980	764.75
LOCATION	L0000344	VOLUME	668985.200	4343250.785	763.81
LOCATION	L0000345	VOLUME	668960.746	4343245.590	762.57
LOCATION	L0000346	VOLUME	668936.292	4343240.395	762.11
LOCATION	L0000347	VOLUME	668911.837	4343235.200	761.83
LOCATION	L0000348	VOLUME	668887.383	4343230.005	761.61
LOCATION	L0000349	VOLUME	668862.929	4343224.810	761.32
LOCATION	L0000350	VOLUME	668838.475	4343219.615	760.54
LOCATION	L0000351	VOLUME	668824.937	4343200.303	760.60
LOCATION	L0000352	VOLUME	668813.756	4343177.943	760.89
LOCATION	L0000353	VOLUME	668802.576	4343155.582	761.37
LOCATION	L0000354	VOLUME	668812.174	4343137.417	761.22
LOCATION	L0000355	VOLUME	668831.156	4343121.148	761.83

LOCATION	L0000356	VOLUME	668854.906	4343127.632	762.38
LOCATION	L0000357	VOLUME	668878.823	4343134.911	763.26
LOCATION	L0000358	VOLUME	668902.740	4343142.190	765.08
LOCATION	L0000359	VOLUME	668926.657	4343149.469	766.78
LOCATION	L0000360	VOLUME	668950.573	4343156.748	768.56
LOCATION	L0000361	VOLUME	668972.910	4343155.941	769.49
LOCATION	L0000362	VOLUME	668992.326	4343140.192	770.23
LOCATION	L0000363	VOLUME	669011.742	4343124.444	770.89
LOCATION	L0000364	VOLUME	669031.158	4343108.695	770.85
LOCATION	L0000365	VOLUME	669050.574	4343092.947	770.68
LOCATION	L0000366	VOLUME	669069.990	4343077.198	771.01
LOCATION	L0000367	VOLUME	669094.269	4343072.044	771.26
LOCATION	L0000368	VOLUME	669118.869	4343067.589	771.69
LOCATION	L0000369	VOLUME	669143.468	4343063.133	772.28
LOCATION	L0000370	VOLUME	669168.068	4343058.678	772.90
LOCATION	L0000371	VOLUME	669192.668	4343054.223	773.60
LOCATION	L0000372	VOLUME	669217.268	4343049.768	774.23
LOCATION	L0000373	VOLUME	669218.756	4343072.082	772.88
LOCATION	L0000374	VOLUME	669217.937	4343097.068	770.98
LOCATION	L0000375	VOLUME	669215.708	4343120.599	769.42
LOCATION	L0000376	VOLUME	669190.708	4343120.599	769.35
LOCATION	L0000377	VOLUME	669165.708	4343120.599	769.65
LOCATION	L0000378	VOLUME	669143.645	4343127.633	769.10
LOCATION	L0000379	VOLUME	669126.067	4343145.409	768.22
LOCATION	L0000380	VOLUME	669108.488	4343163.186	767.39
LOCATION	L0000381	VOLUME	669090.909	4343180.962	767.53
LOCATION	L0000382	VOLUME	669073.331	4343198.738	768.09
LOCATION	L0000383	VOLUME	669055.752	4343216.514	768.92
LOCATION	L0000384	VOLUME	669034.749	4343223.725	769.34
LOCATION	L0000385	VOLUME	669010.086	4343219.640	769.40
LOCATION	L0000386	VOLUME	668985.422	4343215.554	769.24
LOCATION	L0000387	VOLUME	668960.758	4343211.469	768.80
LOCATION	L0000388	VOLUME	668936.094	4343207.383	765.89
LOCATION	L0000389	VOLUME	668911.430	4343203.298	763.81
LOCATION	L0000390	VOLUME	668886.766	4343199.213	763.15
LOCATION	L0000391	VOLUME	668862.102	4343195.127	762.29
LOCATION	L0000392	VOLUME	668851.422	4343175.668	761.70
LOCATION	L0000393	VOLUME	668848.799	4343155.145	761.64
LOCATION	L0000394	VOLUME	668873.176	4343160.694	762.66
LOCATION	L0000395	VOLUME	668897.552	4343166.243	764.57
LOCATION	L0000396	VOLUME	668921.928	4343171.792	766.15
LOCATION	L0000397	VOLUME	668946.305	4343177.342	768.34
LOCATION	L0000398	VOLUME	668970.681	4343182.891	769.45
LOCATION	L0000399	VOLUME	668993.934	4343183.561	770.02
LOCATION	L0000400	VOLUME	669013.431	4343167.912	770.46
LOCATION	L0000401	VOLUME	669032.928	4343152.264	770.33
LOCATION	L0000402	VOLUME	669052.424	4343136.615	769.72
LOCATION	L0000403	VOLUME	669071.921	4343120.966	769.04
LOCATION	L0000404	VOLUME	669094.467	4343111.166	769.14
LOCATION	L0000405	VOLUME	669118.460	4343104.144	769.81

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LOCATION L0000406      VOLUME    669142.454 4343097.121 770.41
LOCATION L0000407      VOLUME    669166.447 4343090.099 770.99
** End of LINE VOLUME Source ID = SLINE3
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Brunswick Offroad Equipment
** PREFIX
** Length of Side = 25.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 25.00
** SZINIT = 11.63
** Nodes = 17
** 671261.861, 4341729.812, 834.24, 5.00, 11.63
** 671380.981, 4341813.195, 840.03, 5.00, 11.63
** 671496.130, 4341677.200, 845.13, 5.00, 11.63
** 671458.409, 4341642.457, 842.44, 5.00, 11.63
** 671513.005, 4341594.809, 842.55, 5.00, 11.63
** 671410.761, 4341529.293, 849.12, 5.00, 11.63
** 671267.817, 4341698.046, 837.92, 5.00, 11.63
** 671364.106, 4341765.548, 837.95, 5.00, 11.63
** 671453.446, 4341677.200, 842.90, 5.00, 11.63
** 671418.702, 4341645.435, 841.44, 5.00, 11.63
** 671460.394, 4341591.831, 843.12, 5.00, 11.63
** 671414.732, 4341565.029, 842.82, 5.00, 11.63
** 671306.531, 4341694.076, 839.36, 5.00, 11.63
** 671368.076, 4341732.790, 838.21, 5.00, 11.63
** 671403.812, 4341686.134, 840.77, 5.00, 11.63
** 671375.025, 4341665.288, 839.51, 5.00, 11.63
** 671418.702, 4341597.787, 842.38, 5.00, 11.63
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LOCATION L0000408      VOLUME    671272.101 4341736.980 834.43
LOCATION L0000409      VOLUME    671292.582 4341751.316 834.75
LOCATION L0000410      VOLUME    671313.063 4341765.653 835.09
LOCATION L0000411      VOLUME    671333.544 4341779.990 835.88
LOCATION L0000412      VOLUME    671354.025 4341794.326 837.44
LOCATION L0000413      VOLUME    671374.505 4341808.663 839.23
LOCATION L0000414      VOLUME    671392.028 4341800.148 840.41
LOCATION L0000415      VOLUME    671408.183 4341781.069 840.76
LOCATION L0000416      VOLUME    671424.338 4341761.990 841.01
LOCATION L0000417      VOLUME    671440.492 4341742.910 842.15
LOCATION L0000418      VOLUME    671456.647 4341723.831 843.64
LOCATION L0000419      VOLUME    671472.802 4341704.752 844.17
LOCATION L0000420      VOLUME    671488.957 4341685.672 844.81
LOCATION L0000421      VOLUME    671485.907 4341667.784 844.42
LOCATION L0000422      VOLUME    671467.518 4341650.847 843.04
LOCATION L0000423      VOLUME    671467.914 4341634.162 843.11
LOCATION L0000424      VOLUME    671486.749 4341617.723 843.85
LOCATION L0000425      VOLUME    671505.585 4341601.285 843.36

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LOCATION	L0000426	VOLUME	671500.249	4341586.635	843.12
LOCATION	L0000427	VOLUME	671479.199	4341573.147	842.59
LOCATION	L0000428	VOLUME	671458.150	4341559.659	842.10
LOCATION	L0000429	VOLUME	671437.101	4341546.171	842.00
LOCATION	L0000430	VOLUME	671416.051	4341532.683	848.79
LOCATION	L0000431	VOLUME	671398.663	4341543.575	849.28
LOCATION	L0000432	VOLUME	671382.505	4341562.651	849.59
LOCATION	L0000433	VOLUME	671366.346	4341581.727	849.82
LOCATION	L0000434	VOLUME	671350.188	4341600.803	849.98
LOCATION	L0000435	VOLUME	671334.029	4341619.879	850.00
LOCATION	L0000436	VOLUME	671317.870	4341638.956	849.56
LOCATION	L0000437	VOLUME	671301.712	4341658.032	846.79
LOCATION	L0000438	VOLUME	671285.553	4341677.108	842.59
LOCATION	L0000439	VOLUME	671269.394	4341696.184	837.35
LOCATION	L0000440	VOLUME	671286.290	4341710.996	835.94
LOCATION	L0000441	VOLUME	671306.760	4341725.347	836.05
LOCATION	L0000442	VOLUME	671327.231	4341739.697	836.35
LOCATION	L0000443	VOLUME	671347.702	4341754.048	836.94
LOCATION	L0000444	VOLUME	671367.638	4341762.055	838.05
LOCATION	L0000445	VOLUME	671385.414	4341744.476	839.02
LOCATION	L0000446	VOLUME	671403.190	4341726.897	840.29
LOCATION	L0000447	VOLUME	671420.966	4341709.319	841.18
LOCATION	L0000448	VOLUME	671438.742	4341691.740	841.75
LOCATION	L0000449	VOLUME	671450.256	4341674.284	842.54
LOCATION	L0000450	VOLUME	671431.805	4341657.415	842.04
LOCATION	L0000451	VOLUME	671423.151	4341639.715	841.48
LOCATION	L0000452	VOLUME	671438.499	4341619.982	842.07
LOCATION	L0000453	VOLUME	671453.848	4341600.248	843.05
LOCATION	L0000454	VOLUME	671448.030	4341584.574	842.79
LOCATION	L0000455	VOLUME	671426.469	4341571.919	842.13
LOCATION	L0000456	VOLUME	671407.414	4341573.757	842.31
LOCATION	L0000457	VOLUME	671391.351	4341592.914	842.33
LOCATION	L0000458	VOLUME	671375.289	4341612.071	841.66
LOCATION	L0000459	VOLUME	671359.226	4341631.228	841.50
LOCATION	L0000460	VOLUME	671343.164	4341650.385	841.33
LOCATION	L0000461	VOLUME	671327.101	4341669.543	841.48
LOCATION	L0000462	VOLUME	671311.039	4341688.700	840.16
LOCATION	L0000463	VOLUME	671321.754	4341703.651	837.84
LOCATION	L0000464	VOLUME	671342.916	4341716.963	837.54
LOCATION	L0000465	VOLUME	671364.077	4341730.274	838.13
LOCATION	L0000466	VOLUME	671380.405	4341716.693	839.13
LOCATION	L0000467	VOLUME	671395.607	4341696.846	840.14
LOCATION	L0000468	VOLUME	671394.492	4341679.385	840.62
LOCATION	L0000469	VOLUME	671375.549	4341664.479	839.41
LOCATION	L0000470	VOLUME	671389.130	4341643.489	840.36
LOCATION	L0000471	VOLUME	671402.711	4341622.500	841.46
LOCATION	L0000472	VOLUME	671416.293	4341601.511	842.19

** End of LINE VOLUME Source ID = SLINE4

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** Line Source Represented by Adjacent Volume Sources

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** LINE VOLUME Source ID = SLINE5
** DESCRSRC Potable Water Line Construction
** PREFIX
** Length of Side = 25.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 25.00
** SZINIT = 11.63
** Nodes = 18
** 671028.989, 4342172.289, 845.92, 5.00, 11.63
** 670818.405, 4342218.741, 827.55, 5.00, 11.63
** 670654.274, 4342178.482, 817.98, 5.00, 11.63
** 670545.885, 4342271.387, 817.41, 5.00, 11.63
** 670490.142, 4342305.452, 813.03, 5.00, 11.63
** 670437.497, 4342404.550, 816.61, 5.00, 11.63
** 670295.043, 4342491.261, 811.80, 5.00, 11.63
** 670164.976, 4342537.713, 807.97, 5.00, 11.63
** 670010.135, 4342618.231, 802.43, 5.00, 11.63
** 669972.974, 4342621.327, 800.04, 5.00, 11.63
** 669808.842, 4342574.875, 796.09, 5.00, 11.63
** 669700.454, 4342568.682, 790.24, 5.00, 11.63
** 669619.936, 4342593.456, 786.75, 5.00, 11.63
** 669539.419, 4342649.199, 784.43, 5.00, 11.63
** 669480.579, 4342711.135, 779.92, 5.00, 11.63
** 669443.418, 4342822.621, 786.11, 5.00, 11.63
** 669403.159, 4342838.105, 785.81, 5.00, 11.63
** 669359.803, 4342955.784, 783.58, 5.00, 11.63

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LOCATION	L0000473	VOLUME	671016.782	4342174.981	845.77
LOCATION	L0000474	VOLUME	670992.369	4342180.367	844.74
LOCATION	L0000475	VOLUME	670967.956	4342185.752	843.17
LOCATION	L0000476	VOLUME	670943.543	4342191.137	840.47
LOCATION	L0000477	VOLUME	670919.130	4342196.522	839.14
LOCATION	L0000478	VOLUME	670894.717	4342201.908	835.42
LOCATION	L0000479	VOLUME	670870.304	4342207.293	833.99
LOCATION	L0000480	VOLUME	670845.891	4342212.678	830.69
LOCATION	L0000481	VOLUME	670821.478	4342218.063	827.96
LOCATION	L0000482	VOLUME	670797.181	4342213.535	826.23
LOCATION	L0000483	VOLUME	670772.900	4342207.579	825.91
LOCATION	L0000484	VOLUME	670748.620	4342201.624	826.49
LOCATION	L0000485	VOLUME	670724.340	4342195.668	828.03
LOCATION	L0000486	VOLUME	670700.060	4342189.713	828.54
LOCATION	L0000487	VOLUME	670675.779	4342183.757	823.18
LOCATION	L0000488	VOLUME	670652.105	4342180.342	819.12
LOCATION	L0000489	VOLUME	670633.123	4342196.611	819.42
LOCATION	L0000490	VOLUME	670614.142	4342212.881	819.37
LOCATION	L0000491	VOLUME	670595.160	4342229.151	816.46
LOCATION	L0000492	VOLUME	670576.179	4342245.421	816.34
LOCATION	L0000493	VOLUME	670557.198	4342261.691	816.95
LOCATION	L0000494	VOLUME	670537.266	4342276.654	816.28

LOCATION	L0000495	VOLUME	670515.934	4342289.690	814.77
LOCATION	L0000496	VOLUME	670494.602	4342302.726	813.48
LOCATION	L0000497	VOLUME	670480.866	4342322.914	813.73
LOCATION	L0000498	VOLUME	670469.137	4342344.992	814.26
LOCATION	L0000499	VOLUME	670457.408	4342367.070	814.90
LOCATION	L0000500	VOLUME	670445.679	4342389.148	815.87
LOCATION	L0000501	VOLUME	670431.040	4342408.480	816.90
LOCATION	L0000502	VOLUME	670409.685	4342421.479	817.41
LOCATION	L0000503	VOLUME	670388.330	4342434.478	817.07
LOCATION	L0000504	VOLUME	670366.975	4342447.476	816.55
LOCATION	L0000505	VOLUME	670345.620	4342460.475	815.29
LOCATION	L0000506	VOLUME	670324.265	4342473.474	812.39
LOCATION	L0000507	VOLUME	670302.910	4342486.472	811.34
LOCATION	L0000508	VOLUME	670280.173	4342496.572	811.31
LOCATION	L0000509	VOLUME	670256.629	4342504.980	812.47
LOCATION	L0000510	VOLUME	670233.086	4342513.389	813.61
LOCATION	L0000511	VOLUME	670209.542	4342521.797	811.52
LOCATION	L0000512	VOLUME	670185.998	4342530.206	809.66
LOCATION	L0000513	VOLUME	670162.601	4342538.949	808.55
LOCATION	L0000514	VOLUME	670140.420	4342550.482	807.85
LOCATION	L0000515	VOLUME	670118.240	4342562.016	804.42
LOCATION	L0000516	VOLUME	670096.060	4342573.550	803.88
LOCATION	L0000517	VOLUME	670073.879	4342585.084	803.60
LOCATION	L0000518	VOLUME	670051.699	4342596.618	803.38
LOCATION	L0000519	VOLUME	670029.518	4342608.152	803.94
LOCATION	L0000520	VOLUME	670006.993	4342618.493	803.26
LOCATION	L0000521	VOLUME	669982.080	4342620.569	799.73
LOCATION	L0000522	VOLUME	669957.711	4342617.008	799.37
LOCATION	L0000523	VOLUME	669933.655	4342610.200	797.27
LOCATION	L0000524	VOLUME	669909.600	4342603.392	793.57
LOCATION	L0000525	VOLUME	669885.545	4342596.584	793.58
LOCATION	L0000526	VOLUME	669861.490	4342589.776	794.32
LOCATION	L0000527	VOLUME	669837.435	4342582.967	795.17
LOCATION	L0000528	VOLUME	669813.380	4342576.159	795.54
LOCATION	L0000529	VOLUME	669788.591	4342573.718	797.14
LOCATION	L0000530	VOLUME	669763.632	4342572.292	797.52
LOCATION	L0000531	VOLUME	669738.672	4342570.866	794.96
LOCATION	L0000532	VOLUME	669713.713	4342569.439	792.28
LOCATION	L0000533	VOLUME	669689.253	4342572.128	791.27
LOCATION	L0000534	VOLUME	669665.359	4342579.480	791.33
LOCATION	L0000535	VOLUME	669641.464	4342586.832	790.93
LOCATION	L0000536	VOLUME	669617.900	4342594.866	786.94
LOCATION	L0000537	VOLUME	669597.346	4342609.096	786.95
LOCATION	L0000538	VOLUME	669576.791	4342623.326	786.70
LOCATION	L0000539	VOLUME	669556.236	4342637.556	786.40
LOCATION	L0000540	VOLUME	669536.288	4342652.495	786.12
LOCATION	L0000541	VOLUME	669519.069	4342670.620	785.67
LOCATION	L0000542	VOLUME	669501.850	4342688.745	782.89
LOCATION	L0000543	VOLUME	669484.632	4342706.870	779.98
LOCATION	L0000544	VOLUME	669474.534	4342729.271	779.93

LOCATION L0000545	VOLUME	669466.629	4342752.988	780.60
LOCATION L0000546	VOLUME	669458.723	4342776.705	783.24
LOCATION L0000547	VOLUME	669450.817	4342800.422	785.13
LOCATION L0000548	VOLUME	669441.924	4342823.195	785.96
LOCATION L0000549	VOLUME	669418.590	4342832.170	785.94
LOCATION L0000550	VOLUME	669400.232	4342846.050	785.86
LOCATION L0000551	VOLUME	669391.589	4342869.508	785.57
LOCATION L0000552	VOLUME	669382.947	4342892.967	785.42
LOCATION L0000553	VOLUME	669374.304	4342916.425	785.04
LOCATION L0000554	VOLUME	669365.661	4342939.884	784.34

** End of LINE VOLUME Source ID = SLINE5

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** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE6

** DESCRSRC Brunswick Haul Trucks

** PREFIX

** Length of Side = 25.00

** Configuration = Adjacent

** Emission Rate = 1.0

** Vertical Dimension = 25.00

** SZINIT = 11.63

** Nodes = 13

** 671171.954, 4342147.253, 840.86, 5.00, 11.63

** 671206.018, 4342106.543, 840.24, 5.00, 11.63

** 671264.176, 4342082.449, 844.50, 5.00, 11.63

** 671306.548, 4342024.291, 846.22, 5.00, 11.63

** 671340.612, 4341972.780, 844.72, 5.00, 11.63

** 671382.984, 4341943.702, 848.38, 5.00, 11.63

** 671410.401, 4341898.006, 847.87, 5.00, 11.63

** 671451.942, 4341819.078, 847.19, 5.00, 11.63

** 671513.423, 4341718.548, 847.18, 5.00, 11.63

** 671539.179, 4341668.699, 845.24, 5.00, 11.63

** 671531.701, 4341647.928, 843.68, 5.00, 11.63

** 671509.269, 4341642.943, 844.63, 5.00, 11.63

** 671502.622, 4341642.112, 844.53, 5.00, 11.63

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LOCATION L0000674	VOLUME	671179.976	4342137.667	840.63
LOCATION L0000675	VOLUME	671196.019	4342118.493	840.20
LOCATION L0000676	VOLUME	671214.719	4342102.938	840.68
LOCATION L0000677	VOLUME	671237.816	4342093.370	841.65
LOCATION L0000678	VOLUME	671260.912	4342083.801	844.06
LOCATION L0000679	VOLUME	671276.817	4342065.099	844.53
LOCATION L0000680	VOLUME	671291.538	4342044.893	844.99
LOCATION L0000681	VOLUME	671306.260	4342024.687	846.67
LOCATION L0000682	VOLUME	671320.068	4342003.847	845.97
LOCATION L0000683	VOLUME	671333.858	4341982.994	845.71
LOCATION L0000684	VOLUME	671351.129	4341965.563	845.20
LOCATION L0000685	VOLUME	671371.742	4341951.417	846.75
LOCATION L0000686	VOLUME	671388.831	4341933.956	848.02
LOCATION L0000687	VOLUME	671401.693	4341912.519	847.85

LOCATION L0000688	VOLUME	671414.162	4341890.860	848.03
LOCATION L0000689	VOLUME	671425.806	4341868.737	848.11
LOCATION L0000690	VOLUME	671437.449	4341846.614	848.41
LOCATION L0000691	VOLUME	671449.093	4341824.491	848.27
LOCATION L0000692	VOLUME	671461.794	4341802.969	847.60
LOCATION L0000693	VOLUME	671474.837	4341781.641	847.19
LOCATION L0000694	VOLUME	671487.881	4341760.313	847.12
LOCATION L0000695	VOLUME	671500.924	4341738.986	847.05
LOCATION L0000696	VOLUME	671513.902	4341717.621	847.06
LOCATION L0000697	VOLUME	671525.378	4341695.410	846.45
LOCATION L0000698	VOLUME	671536.853	4341673.200	845.58
LOCATION L0000699	VOLUME	671532.427	4341649.943	843.97
LOCATION L0000700	VOLUME	671509.387	4341642.970	844.63

** End of LINE VOLUME Source ID = SLINE6

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE7

** DESCRSRC Building Construction

** PREFIX

** Length of Side = 25.00

** Configuration = Adjacent

** Emission Rate = 0.0338983051

** Vertical Dimension = 25.00

** SZINIT = 11.63

** Nodes = 2

** 671096.036, 4342091.032, 840.03, 5.00, 11.63

** 671120.477, 4342136.002, 841.20, 5.00, 11.63

** -----

LOCATION L0001020	VOLUME	671102.005	4342102.015	840.10
LOCATION L0001021	VOLUME	671113.943	4342123.980	841.11

** End of LINE VOLUME Source ID = SLINE7

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE8

** DESCRSRC Building Construction

** PREFIX

** Length of Side = 25.00

** Configuration = Adjacent

** Emission Rate = 0.7457627119

** Vertical Dimension = 25.00

** SZINIT = 11.63

** Nodes = 20

** 671149.806, 4342079.300, 835.29, 5.00, 11.63

** 671235.836, 4342057.793, 839.70, 5.00, 11.63

** 671212.373, 4342044.106, 838.00, 5.00, 11.63

** 671224.105, 4342024.554, 837.59, 5.00, 11.63

** 671262.232, 4342041.173, 841.17, 5.00, 11.63

** 671279.829, 4342017.710, 840.74, 5.00, 11.63

** 671235.836, 4341994.247, 836.76, 5.00, 11.63

** 671257.344, 4341964.919, 837.33, 5.00, 11.63

** 671305.247, 4341983.494, 841.09, 5.00, 11.63
 ** 671416.696, 4341838.806, 842.41, 5.00, 11.63
 ** 671397.143, 4341823.164, 841.01, 5.00, 11.63
 ** 671369.770, 4341859.336, 842.16, 5.00, 11.63
 ** 671349.240, 4341842.716, 839.41, 5.00, 11.63
 ** 671273.963, 4341959.053, 838.16, 5.00, 11.63
 ** 671252.456, 4341947.322, 837.00, 5.00, 11.63
 ** 671332.620, 4341826.097, 836.73, 5.00, 11.63
 ** 671275.918, 4341793.835, 833.54, 5.00, 11.63
 ** 671249.523, 4341827.074, 832.30, 5.00, 11.63
 ** 671272.986, 4341849.560, 835.96, 5.00, 11.63
 ** 671290.583, 4341823.164, 834.73, 5.00, 11.63

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LOCATION L0001022	VOLUME	671161.932	4342076.269	836.29
LOCATION L0001023	VOLUME	671186.186	4342070.205	837.80
LOCATION L0001024	VOLUME	671210.439	4342064.142	838.88
LOCATION L0001025	VOLUME	671234.693	4342058.078	840.05
LOCATION L0001026	VOLUME	671215.259	4342045.790	838.25
LOCATION L0001027	VOLUME	671223.517	4342025.534	837.74
LOCATION L0001028	VOLUME	671245.974	4342034.087	839.65
LOCATION L0001029	VOLUME	671266.591	4342035.361	841.08
LOCATION L0001030	VOLUME	671277.238	4342016.328	840.92
LOCATION L0001031	VOLUME	671255.179	4342004.564	838.90
LOCATION L0001032	VOLUME	671237.656	4341991.766	837.06
LOCATION L0001033	VOLUME	671252.440	4341971.605	837.42
LOCATION L0001034	VOLUME	671272.922	4341970.959	838.80
LOCATION L0001035	VOLUME	671296.231	4341979.998	840.57
LOCATION L0001036	VOLUME	671314.602	4341971.349	841.19
LOCATION L0001037	VOLUME	671329.857	4341951.543	841.38
LOCATION L0001038	VOLUME	671345.113	4341931.738	842.20
LOCATION L0001039	VOLUME	671360.369	4341911.932	842.79
LOCATION L0001040	VOLUME	671375.624	4341892.126	843.79
LOCATION L0001041	VOLUME	671390.880	4341872.321	844.45
LOCATION L0001042	VOLUME	671406.136	4341852.515	842.49
LOCATION L0001043	VOLUME	671410.687	4341833.999	841.62
LOCATION L0001044	VOLUME	671392.523	4341829.269	840.71
LOCATION L0001045	VOLUME	671377.437	4341849.204	842.41
LOCATION L0001046	VOLUME	671360.215	4341851.601	841.50
LOCATION L0001047	VOLUME	671343.329	4341851.851	839.63
LOCATION L0001048	VOLUME	671329.748	4341872.840	839.37
LOCATION L0001049	VOLUME	671316.167	4341893.830	839.27
LOCATION L0001050	VOLUME	671302.585	4341914.819	839.02
LOCATION L0001051	VOLUME	671289.004	4341935.808	838.67
LOCATION L0001052	VOLUME	671275.423	4341956.797	838.47
LOCATION L0001053	VOLUME	671254.375	4341948.368	836.96
LOCATION L0001054	VOLUME	671265.040	4341928.292	836.86
LOCATION L0001055	VOLUME	671278.829	4341907.439	837.36
LOCATION L0001056	VOLUME	671292.619	4341886.586	837.83
LOCATION L0001057	VOLUME	671306.409	4341865.734	837.52
LOCATION L0001058	VOLUME	671320.199	4341844.881	836.96

LOCATION L0001059	VOLUME	671330.465	4341824.870	836.38
LOCATION L0001060	VOLUME	671308.735	4341812.507	834.91
LOCATION L0001061	VOLUME	671287.006	4341800.144	833.90
LOCATION L0001062	VOLUME	671268.305	4341803.423	833.17
LOCATION L0001063	VOLUME	671252.758	4341823.001	832.52
LOCATION L0001064	VOLUME	671263.817	4341840.773	834.93
LOCATION L0001065	VOLUME	671279.809	4341839.325	835.46
** End of LINE VOLUME Source ID = SLINE8				
LOCATION VOL1	VOLUME	670986.540	4342143.820	839.730
** DESCRSRC Building Construction				
LOCATION VOL2	VOLUME	671212.860	4341826.590	830.180
** DESCRSRC Building Construction				
** -----				
** Line Source Represented by Adjacent Volume Sources				
** LINE VOLUME Source ID = SLINE9				
** DESCRSRC Haul Trucks Offsite				
** PREFIX				
** Length of Side = 25.00				
** Configuration = Adjacent				
** Emission Rate = 1.0				
** Vertical Dimension = 25.00				
** SZINIT = 11.63				
** Nodes = 31				
** 671100.390, 4342105.716, 840.01, 5.00, 11.63				
** 671157.532, 4342155.015, 841.64, 5.00, 11.63				
** 671126.720, 4342165.658, 843.53, 5.00, 11.63				
** 671084.144, 4342156.135, 844.57, 5.00, 11.63				
** 671059.495, 4342162.297, 845.82, 5.00, 11.63				
** 671056.134, 4342170.140, 846.77, 5.00, 11.63				
** 671185.542, 4342301.789, 858.18, 5.00, 11.63				
** 671097.589, 4342386.381, 860.17, 5.00, 11.63				
** 671005.545, 4342511.585, 849.35, 5.00, 11.63				
** 670890.207, 4342730.029, 863.45, 5.00, 11.63				
** 670830.790, 4342808.668, 866.17, 5.00, 11.63				
** 670498.756, 4343032.354, 834.29, 5.00, 11.63				
** 670447.581, 4343092.685, 828.01, 5.00, 11.63				
** 670411.930, 4343161.016, 823.25, 5.00, 11.63				
** 670358.453, 4343150.618, 826.43, 5.00, 11.63				
** 670293.093, 4343190.726, 826.06, 5.00, 11.63				
** 669961.834, 4343306.592, 825.83, 5.00, 11.63				
** 669709.305, 4343278.368, 806.87, 5.00, 11.63				
** 669632.061, 4343294.708, 799.33, 5.00, 11.63				
** 669502.826, 4343363.039, 783.92, 5.00, 11.63				
** 669435.980, 4343367.496, 782.99, 5.00, 11.63				
** 669311.201, 4343319.961, 778.32, 5.00, 11.63				
** 669223.212, 4343239.416, 772.95, 5.00, 11.63				
** 669136.271, 4343309.182, 763.57, 5.00, 11.63				
** 669100.852, 4343424.024, 761.18, 5.00, 11.63				
** 668898.001, 4343375.726, 760.52, 5.00, 11.63				
** 668761.694, 4343395.045, 757.74, 5.00, 11.63				

** 668675.831, 4343393.972, 756.11, 5.00, 11.63
 ** 668527.718, 4343407.924, 749.99, 5.00, 11.63
 ** 668346.332, 4343340.307, 747.90, 5.00, 11.63
 ** 668237.930, 4343290.936, 744.31, 5.00, 11.63

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LOCATION	L0000851	VOLUME	671109.855	4342113.881	840.29
LOCATION	L0000852	VOLUME	671128.784	4342130.212	840.50
LOCATION	L0000853	VOLUME	671147.713	4342146.543	841.31
LOCATION	L0000854	VOLUME	671146.159	4342158.943	842.36
LOCATION	L0000855	VOLUME	671122.394	4342164.691	843.88
LOCATION	L0000856	VOLUME	671097.997	4342159.233	844.58
LOCATION	L0000857	VOLUME	671073.661	4342158.756	845.39
LOCATION	L0000858	VOLUME	671057.441	4342171.470	846.77
LOCATION	L0000859	VOLUME	671074.966	4342189.299	847.30
LOCATION	L0000860	VOLUME	671092.492	4342207.127	849.10
LOCATION	L0000861	VOLUME	671110.017	4342224.956	849.94
LOCATION	L0000862	VOLUME	671127.542	4342242.785	850.67
LOCATION	L0000863	VOLUME	671145.067	4342260.614	854.02
LOCATION	L0000864	VOLUME	671162.593	4342278.442	855.47
LOCATION	L0000865	VOLUME	671180.118	4342296.271	857.44
LOCATION	L0000866	VOLUME	671173.100	4342313.756	858.93
LOCATION	L0000867	VOLUME	671155.082	4342331.086	859.74
LOCATION	L0000868	VOLUME	671137.063	4342348.416	860.07
LOCATION	L0000869	VOLUME	671119.045	4342365.746	860.49
LOCATION	L0000870	VOLUME	671101.026	4342383.076	860.25
LOCATION	L0000871	VOLUME	671085.606	4342402.682	859.12
LOCATION	L0000872	VOLUME	671070.798	4342422.825	857.81
LOCATION	L0000873	VOLUME	671055.990	4342442.967	855.36
LOCATION	L0000874	VOLUME	671041.182	4342463.110	852.16
LOCATION	L0000875	VOLUME	671026.374	4342483.252	850.13
LOCATION	L0000876	VOLUME	671011.566	4342503.395	849.49
LOCATION	L0000877	VOLUME	670998.619	4342524.704	849.49
LOCATION	L0000878	VOLUME	670986.946	4342546.811	850.70
LOCATION	L0000879	VOLUME	670975.273	4342568.919	851.88
LOCATION	L0000880	VOLUME	670963.600	4342591.026	852.48
LOCATION	L0000881	VOLUME	670951.927	4342613.134	853.49
LOCATION	L0000882	VOLUME	670940.255	4342635.242	855.41
LOCATION	L0000883	VOLUME	670928.582	4342657.349	857.33
LOCATION	L0000884	VOLUME	670916.909	4342679.457	859.07
LOCATION	L0000885	VOLUME	670905.236	4342701.564	859.86
LOCATION	L0000886	VOLUME	670893.563	4342723.672	861.96
LOCATION	L0000887	VOLUME	670879.470	4342744.240	864.78
LOCATION	L0000888	VOLUME	670864.399	4342764.187	865.53
LOCATION	L0000889	VOLUME	670849.328	4342784.133	865.89
LOCATION	L0000890	VOLUME	670834.257	4342804.080	866.23
LOCATION	L0000891	VOLUME	670814.826	4342819.423	865.02
LOCATION	L0000892	VOLUME	670794.092	4342833.391	863.00
LOCATION	L0000893	VOLUME	670773.358	4342847.360	860.17
LOCATION	L0000894	VOLUME	670752.624	4342861.328	859.95
LOCATION	L0000895	VOLUME	670731.890	4342875.296	858.15

LOCATION	L0000896	VOLUME	670711.157	4342889.264	855.18
LOCATION	L0000897	VOLUME	670690.423	4342903.232	853.28
LOCATION	L0000898	VOLUME	670669.689	4342917.200	851.84
LOCATION	L0000899	VOLUME	670648.955	4342931.168	849.94
LOCATION	L0000900	VOLUME	670628.221	4342945.136	847.09
LOCATION	L0000901	VOLUME	670607.487	4342959.104	844.46
LOCATION	L0000902	VOLUME	670586.753	4342973.072	843.05
LOCATION	L0000903	VOLUME	670566.020	4342987.040	841.73
LOCATION	L0000904	VOLUME	670545.286	4343001.008	837.82
LOCATION	L0000905	VOLUME	670524.552	4343014.976	836.62
LOCATION	L0000906	VOLUME	670503.818	4343028.945	835.11
LOCATION	L0000907	VOLUME	670486.532	4343046.765	832.10
LOCATION	L0000908	VOLUME	670470.361	4343065.830	830.78
LOCATION	L0000909	VOLUME	670454.189	4343084.895	829.37
LOCATION	L0000910	VOLUME	670440.742	4343105.793	826.02
LOCATION	L0000911	VOLUME	670429.178	4343127.958	824.42
LOCATION	L0000912	VOLUME	670417.613	4343150.122	823.93
LOCATION	L0000913	VOLUME	670399.451	4343158.590	824.50
LOCATION	L0000914	VOLUME	670374.911	4343153.818	825.42
LOCATION	L0000915	VOLUME	670351.435	4343154.925	826.32
LOCATION	L0000916	VOLUME	670330.127	4343168.000	826.33
LOCATION	L0000917	VOLUME	670308.819	4343181.075	826.43
LOCATION	L0000918	VOLUME	670286.911	4343192.888	826.28
LOCATION	L0000919	VOLUME	670263.313	4343201.142	826.39
LOCATION	L0000920	VOLUME	670239.714	4343209.396	826.43
LOCATION	L0000921	VOLUME	670216.116	4343217.650	826.43
LOCATION	L0000922	VOLUME	670192.518	4343225.904	826.52
LOCATION	L0000923	VOLUME	670168.920	4343234.158	826.57
LOCATION	L0000924	VOLUME	670145.322	4343242.412	826.58
LOCATION	L0000925	VOLUME	670121.724	4343250.666	826.33
LOCATION	L0000926	VOLUME	670098.126	4343258.920	826.01
LOCATION	L0000927	VOLUME	670074.528	4343267.174	825.73
LOCATION	L0000928	VOLUME	670050.930	4343275.428	825.63
LOCATION	L0000929	VOLUME	670027.331	4343283.682	825.76
LOCATION	L0000930	VOLUME	670003.733	4343291.936	825.85
LOCATION	L0000931	VOLUME	669980.135	4343300.190	825.81
LOCATION	L0000932	VOLUME	669956.257	4343305.968	825.68
LOCATION	L0000933	VOLUME	669931.412	4343303.192	824.84
LOCATION	L0000934	VOLUME	669906.567	4343300.415	822.87
LOCATION	L0000935	VOLUME	669881.721	4343297.638	821.45
LOCATION	L0000936	VOLUME	669856.876	4343294.861	819.70
LOCATION	L0000937	VOLUME	669832.031	4343292.084	816.88
LOCATION	L0000938	VOLUME	669807.185	4343289.307	815.02
LOCATION	L0000939	VOLUME	669782.340	4343286.531	812.84
LOCATION	L0000940	VOLUME	669757.495	4343283.754	810.77
LOCATION	L0000941	VOLUME	669732.649	4343280.977	809.48
LOCATION	L0000942	VOLUME	669707.827	4343278.681	807.09
LOCATION	L0000943	VOLUME	669683.369	4343283.854	804.68
LOCATION	L0000944	VOLUME	669658.910	4343289.028	803.03
LOCATION	L0000945	VOLUME	669634.451	4343294.202	799.27

LOCATION	L0000946	VOLUME	669612.120	4343305.252	797.49
LOCATION	L0000947	VOLUME	669590.019	4343316.937	795.31
LOCATION	L0000948	VOLUME	669567.918	4343328.623	791.52
LOCATION	L0000949	VOLUME	669545.817	4343340.308	789.33
LOCATION	L0000950	VOLUME	669523.716	4343351.994	786.27
LOCATION	L0000951	VOLUME	669501.460	4343363.130	783.56
LOCATION	L0000952	VOLUME	669476.515	4343364.793	783.04
LOCATION	L0000953	VOLUME	669451.571	4343366.456	782.38
LOCATION	L0000954	VOLUME	669427.219	4343364.158	782.22
LOCATION	L0000955	VOLUME	669403.857	4343355.258	782.67
LOCATION	L0000956	VOLUME	669380.495	4343346.358	782.73
LOCATION	L0000957	VOLUME	669357.133	4343337.459	781.40
LOCATION	L0000958	VOLUME	669333.771	4343328.559	779.35
LOCATION	L0000959	VOLUME	669310.575	4343319.388	778.19
LOCATION	L0000960	VOLUME	669292.135	4343302.508	777.66
LOCATION	L0000961	VOLUME	669273.694	4343285.627	776.69
LOCATION	L0000962	VOLUME	669255.254	4343268.747	775.42
LOCATION	L0000963	VOLUME	669236.813	4343251.867	773.97
LOCATION	L0000964	VOLUME	669218.095	4343243.523	772.56
LOCATION	L0000965	VOLUME	669198.596	4343259.169	771.23
LOCATION	L0000966	VOLUME	669179.098	4343274.816	769.48
LOCATION	L0000967	VOLUME	669159.599	4343290.462	766.84
LOCATION	L0000968	VOLUME	669140.101	4343306.108	763.92
LOCATION	L0000969	VOLUME	669130.350	4343328.379	762.41
LOCATION	L0000970	VOLUME	669122.982	4343352.268	761.90
LOCATION	L0000971	VOLUME	669115.615	4343376.158	760.57
LOCATION	L0000972	VOLUME	669108.247	4343400.048	759.58
LOCATION	L0000973	VOLUME	669100.879	4343423.937	761.18
LOCATION	L0000974	VOLUME	669076.620	4343418.254	760.72
LOCATION	L0000975	VOLUME	669052.300	4343412.464	760.49
LOCATION	L0000976	VOLUME	669027.980	4343406.673	760.49
LOCATION	L0000977	VOLUME	669003.660	4343400.883	760.19
LOCATION	L0000978	VOLUME	668979.339	4343395.092	759.86
LOCATION	L0000979	VOLUME	668955.019	4343389.302	760.11
LOCATION	L0000980	VOLUME	668930.699	4343383.511	760.54
LOCATION	L0000981	VOLUME	668906.379	4343377.721	760.45
LOCATION	L0000982	VOLUME	668881.775	4343378.026	760.76
LOCATION	L0000983	VOLUME	668857.023	4343381.534	759.97
LOCATION	L0000984	VOLUME	668832.270	4343385.042	758.64
LOCATION	L0000985	VOLUME	668807.517	4343388.550	758.01
LOCATION	L0000986	VOLUME	668782.765	4343392.059	757.71
LOCATION	L0000987	VOLUME	668757.976	4343394.998	757.62
LOCATION	L0000988	VOLUME	668732.978	4343394.686	757.48
LOCATION	L0000989	VOLUME	668707.980	4343394.374	757.60
LOCATION	L0000990	VOLUME	668682.982	4343394.061	756.63
LOCATION	L0000991	VOLUME	668658.061	4343395.646	754.66
LOCATION	L0000992	VOLUME	668633.171	4343397.990	752.92
LOCATION	L0000993	VOLUME	668608.281	4343400.335	751.13
LOCATION	L0000994	VOLUME	668583.391	4343402.680	750.39
LOCATION	L0000995	VOLUME	668558.502	4343405.024	750.40

LOCATION L0000996	VOLUME	668533.612	4343407.369	750.24
LOCATION L0000997	VOLUME	668509.840	4343401.260	750.01
LOCATION L0000998	VOLUME	668486.414	4343392.527	749.61
LOCATION L0000999	VOLUME	668462.989	4343383.795	749.06
LOCATION L0001000	VOLUME	668439.564	4343375.062	748.47
LOCATION L0001001	VOLUME	668416.139	4343366.330	747.88
LOCATION L0001002	VOLUME	668392.713	4343357.597	747.60
LOCATION L0001003	VOLUME	668369.288	4343348.865	747.66
LOCATION L0001004	VOLUME	668345.876	4343340.100	747.83
LOCATION L0001005	VOLUME	668323.125	4343329.738	748.25
LOCATION L0001006	VOLUME	668300.373	4343319.376	747.85
LOCATION L0001007	VOLUME	668277.622	4343309.014	745.31
LOCATION L0001008	VOLUME	668254.870	4343298.652	744.80
** End of LINE VOLUME Source ID = SLINE9				
** -----				
** Line Source Represented by Adjacent Volume Sources				
** LINE VOLUME Source ID = SLINE1				
** DESCRSRC Parking Lot Construction				
** PREFIX				
** Length of Side = 25.00				
** Configuration = Adjacent				
** Emission Rate = 0.186440678				
** Vertical Dimension = 25.00				
** SZINIT = 11.63				
** Nodes = 4				
** 671432.613, 4341768.491, 841.51, 5.00, 11.63				
** 671503.096, 4341665.625, 845.38, 5.00, 11.63				
** 671535.003, 4341688.960, 846.40, 5.00, 11.63				
** 671461.187, 4341787.540, 846.34, 5.00, 11.63				
** -----				
LOCATION L0001066	VOLUME	671439.679	4341758.179	841.63
LOCATION L0001067	VOLUME	671453.810	4341737.556	843.49
LOCATION L0001068	VOLUME	671467.940	4341716.933	844.22
LOCATION L0001069	VOLUME	671482.071	4341696.309	844.65
LOCATION L0001070	VOLUME	671496.202	4341675.686	845.09
LOCATION L0001071	VOLUME	671513.431	4341673.183	845.51
LOCATION L0001072	VOLUME	671533.610	4341687.941	846.27
LOCATION L0001073	VOLUME	671521.053	4341707.590	847.03
LOCATION L0001074	VOLUME	671506.069	4341727.602	847.01
LOCATION L0001075	VOLUME	671491.084	4341747.613	846.77
LOCATION L0001076	VOLUME	671476.100	4341767.625	846.48
** End of LINE VOLUME Source ID = SLINE1				
LOCATION PAREA2	AREAPOLY	671251.634	4341735.291	833.730
** DESCRSRC Brunswick Equipment Fugitive Dust				
LOCATION PAREA3	AREAPOLY	668752.004	4343310.384	756.570
** DESCRSRC Centennial Equipment Fugitive Dust Emissions				
LOCATION PAREA4	AREAPOLY	671065.938	4342098.227	842.790
** DESCRSRC Construction Fugitive Dust Emissions				
** Source Parameters **				
SRCPARAM PAREA1		0.0008984234	3.000	6

AREAVERT	PAREA1	671100.248	4342103.913	671093.909	4342077.146	
AREAVERT	PAREA1	671125.959	4342069.045	671134.412	4342110.957	
AREAVERT	PAREA1	671120.324	4342113.422	671116.450	4342099.686	
SRCPARAM	STCK1	0.166666667	19.510	0.000	5.77000	1.480
SRCPARAM	STCK2	0.166666667	19.510	0.000	5.77000	1.480
SRCPARAM	STCK3	0.166666667	19.510	0.000	5.77000	1.480
SRCPARAM	STCK4	0.166666667	19.510	0.000	5.77000	1.480
SRCPARAM	STCK5	0.166666667	19.510	0.000	5.77000	1.480
SRCPARAM	STCK6	0.166666667	19.510	0.000	5.77000	1.480
SRCPARAM	STCK7	1.0	50.300	293.150	2.33773	7.170
SRCPARAM	STCK8	1.0	9.144	730.370	40.86000	0.457
SRCPARAM	STCK9	1.0	3.600	0.000	0.00100	0.001
SRCPARAM	STCK10	1.0	3.600	0.000	0.00100	0.001

** LINE VOLUME Source ID = SLINE2

SRCPARAM	L0000555	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000556	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000557	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000558	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000559	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000560	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000561	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000562	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000563	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000564	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000565	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000566	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000567	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000568	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000569	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000570	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000571	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000572	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000573	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000574	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000575	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000576	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000577	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000578	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000579	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000580	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000581	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000582	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000583	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000584	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000585	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000586	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000587	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000588	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000589	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000590	0.0084033613	5.00	11.63	11.63

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SRCPARAM	L0000641	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000642	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000643	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000644	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000645	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000646	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000647	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000648	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000649	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000650	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000651	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000652	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000653	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000654	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000655	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000656	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000657	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000658	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000659	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000660	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000661	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000662	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000663	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000664	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000665	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000666	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000667	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000668	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000669	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000670	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000671	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000672	0.0084033613	5.00	11.63	11.63
SRCPARAM	L0000673	0.0084033613	5.00	11.63	11.63

**

** LINE VOLUME Source ID = SLINE3

SRCPARAM	L0000149	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000150	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000151	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000152	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000153	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000154	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000155	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000156	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000157	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000158	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000159	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000160	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000161	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000162	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000163	0.0038610039	5.00	11.63	11.63

[illegible]

[illegible]

[illegible]

[illegible]

SRCPARAM	L0000364	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000365	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000366	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000367	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000368	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000369	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000370	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000371	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000372	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000373	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000374	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000375	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000376	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000377	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000378	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000379	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000380	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000381	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000382	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000383	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000384	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000385	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000386	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000387	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000388	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000389	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000390	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000391	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000392	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000393	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000394	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000395	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000396	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000397	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000398	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000399	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000400	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000401	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000402	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000403	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000404	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000405	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000406	0.0038610039	5.00	11.63	11.63
SRCPARAM	L0000407	0.0038610039	5.00	11.63	11.63

**

** LINE VOLUME Source ID = SLINE4

SRCPARAM	L0000408	0.0153846154	5.00	11.63	11.63
SRCPARAM	L0000409	0.0153846154	5.00	11.63	11.63
SRCPARAM	L0000410	0.0153846154	5.00	11.63	11.63
SRCPARAM	L0000411	0.0153846154	5.00	11.63	11.63

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SRCPARAM	L0000462	0.0153846154	5.00	11.63	11.63
SRCPARAM	L0000463	0.0153846154	5.00	11.63	11.63
SRCPARAM	L0000464	0.0153846154	5.00	11.63	11.63
SRCPARAM	L0000465	0.0153846154	5.00	11.63	11.63
SRCPARAM	L0000466	0.0153846154	5.00	11.63	11.63
SRCPARAM	L0000467	0.0153846154	5.00	11.63	11.63
SRCPARAM	L0000468	0.0153846154	5.00	11.63	11.63
SRCPARAM	L0000469	0.0153846154	5.00	11.63	11.63
SRCPARAM	L0000470	0.0153846154	5.00	11.63	11.63
SRCPARAM	L0000471	0.0153846154	5.00	11.63	11.63
SRCPARAM	L0000472	0.0153846154	5.00	11.63	11.63

**

** LINE VOLUME Source ID = SLINE5

SRCPARAM	L0000473	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000474	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000475	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000476	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000477	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000478	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000479	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000480	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000481	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000482	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000483	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000484	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000485	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000486	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000487	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000488	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000489	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000490	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000491	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000492	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000493	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000494	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000495	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000496	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000497	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000498	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000499	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000500	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000501	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000502	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000503	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000504	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000505	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000506	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000507	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000508	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000509	0.012195122	5.00	11.63	11.63

SRCPARAM	L0000510	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000511	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000512	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000513	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000514	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000515	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000516	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000517	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000518	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000519	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000520	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000521	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000522	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000523	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000524	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000525	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000526	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000527	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000528	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000529	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000530	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000531	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000532	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000533	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000534	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000535	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000536	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000537	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000538	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000539	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000540	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000541	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000542	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000543	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000544	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000545	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000546	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000547	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000548	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000549	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000550	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000551	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000552	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000553	0.012195122	5.00	11.63	11.63
SRCPARAM	L0000554	0.012195122	5.00	11.63	11.63

**

** LINE VOLUME Source ID = SLINE6

SRCPARAM	L0000674	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000675	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000676	0.037037037	5.00	11.63	11.63

SRCPARAM	L0000677	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000678	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000679	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000680	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000681	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000682	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000683	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000684	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000685	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000686	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000687	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000688	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000689	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000690	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000691	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000692	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000693	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000694	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000695	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000696	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000697	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000698	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000699	0.037037037	5.00	11.63	11.63
SRCPARAM	L0000700	0.037037037	5.00	11.63	11.63

**

** LINE VOLUME Source ID = SLINE7

SRCPARAM	L0001020	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001021	0.0169491525	5.00	11.63	11.63

**

** LINE VOLUME Source ID = SLINE8

SRCPARAM	L0001022	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001023	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001024	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001025	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001026	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001027	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001028	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001029	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001030	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001031	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001032	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001033	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001034	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001035	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001036	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001037	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001038	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001039	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001040	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001041	0.0169491525	5.00	11.63	11.63

SRCPARAM	L0001042	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001043	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001044	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001045	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001046	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001047	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001048	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001049	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001050	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001051	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001052	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001053	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001054	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001055	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001056	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001057	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001058	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001059	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001060	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001061	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001062	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001063	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001064	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001065	0.0169491525	5.00	11.63	11.63

**

SRCPARAM	VOL1	0.0169491525	5.000	5.814	1.163
SRCPARAM	VOL2	0.0169491525	5.000	5.814	1.163

** LINE VOLUME Source ID = SLINE9

SRCPARAM	L0000851	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000852	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000853	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000854	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000855	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000856	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000857	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000858	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000859	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000860	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000861	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000862	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000863	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000864	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000865	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000866	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000867	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000868	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000869	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000870	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000871	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000872	0.0063291139	5.00	11.63	11.63

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SRCPARAM	L0000973	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000974	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000975	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000976	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000977	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000978	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000979	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000980	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000981	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000982	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000983	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000984	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000985	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000986	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000987	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000988	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000989	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000990	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000991	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000992	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000993	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000994	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000995	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000996	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000997	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000998	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0000999	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0001000	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0001001	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0001002	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0001003	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0001004	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0001005	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0001006	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0001007	0.0063291139	5.00	11.63	11.63
SRCPARAM	L0001008	0.0063291139	5.00	11.63	11.63

**

** LINE VOLUME Source ID = SLINE1

SRCPARAM	L0001066	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001067	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001068	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001069	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001070	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001071	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001072	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001073	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001074	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001075	0.0169491525	5.00	11.63	11.63
SRCPARAM	L0001076	0.0169491525	5.00	11.63	11.63

**

SRCPARAM	PAREA2	0.0000243582	1.000	4
AREAVERT	PAREA2	671251.634	4341735.291	671391.219 4341817.400
AREAVERT	PAREA2	671534.454	4341618.514	671403.992 4341521.808
SRCPARAM	PAREA3	4.8598E-06	1.000	13
AREAVERT	PAREA3	668752.004	4343310.384	668969.198 4343340.690
AREAVERT	PAREA3	669111.890	4343372.259	669133.357 4343300.282
AREAVERT	PAREA3	669217.961	4343232.093	669298.778 4343296.494
AREAVERT	PAREA3	669359.390	4342983.330	669313.931 4342927.768
AREAVERT	PAREA3	669034.861	4342951.761	668927.527 4343048.993
AREAVERT	PAREA3	668805.040	4343013.636	668682.552 4343094.452
AREAVERT	PAREA3	668696.442	4343201.787	
SRCPARAM	PAREA4	0.0000111589	1.000	17
AREAVERT	PAREA4	671065.938	4342098.227	671113.137 4342060.964
AREAVERT	PAREA4	671128.042	4342072.143	671206.295 4342044.817
AREAVERT	PAREA4	671238.589	4341972.775	671279.578 4341888.313
AREAVERT	PAREA4	671280.820	4341863.471	671243.558 4341827.450
AREAVERT	PAREA4	671237.550	4341749.496	671408.643 4341513.597
AREAVERT	PAREA4	671534.652	4341611.875	671386.399 4341926.818
AREAVERT	PAREA4	671351.620	4341954.144	671239.831 4342089.532
AREAVERT	PAREA4	671135.495	4342092.017	671147.916 4342145.427
AREAVERT	PAREA4	671103.201	4342142.943	

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

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT	PAREA1	HRDOW	0.0	0.0	0.0	0.0	1.2	1.2
EMISFACT	PAREA1	HRDOW	1.2	1.2	1.2	1.2	1.2	1.2
EMISFACT	PAREA1	HRDOW	1.2	1.2	1.2	1.2	1.2	1.2
EMISFACT	PAREA1	HRDOW	1.2	1.2	1.2	1.2	1.2	1.2

** Saturday:

EMISFACT	PAREA1	HRDOW	0.0	0.0	0.0	0.0	1.2	1.2
EMISFACT	PAREA1	HRDOW	1.2	1.2	1.2	1.2	1.2	1.2
EMISFACT	PAREA1	HRDOW	1.2	1.2	1.2	1.2	1.2	1.2
EMISFACT	PAREA1	HRDOW	1.2	1.2	1.2	1.2	1.2	1.2

** Sunday:

EMISFACT	PAREA1	HRDOW	0.0	0.0	0.0	0.0	1.2	1.2
EMISFACT	PAREA1	HRDOW	1.2	1.2	1.2	1.2	1.2	1.2
EMISFACT	PAREA1	HRDOW	1.2	1.2	1.2	1.2	1.2	1.2
EMISFACT	PAREA1	HRDOW	1.2	1.2	1.2	1.2	1.2	1.2

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

** Variable Emission Scenario: "Scenario 2"

** WeekDays:

EMISFACT	L0000674	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000674	HRDOW	1.5	1.5	1.5	1.5	1.5	1.5
EMISFACT	L0000674	HRDOW	1.5	1.5	1.5	1.5	1.5	1.5
EMISFACT	L0000674	HRDOW	1.5	1.5	1.5	1.5	0.0	0.0
EMISFACT	L0000675	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000675	HRDOW	1.5	1.5	1.5	1.5	1.5	1.5
EMISFACT	L0000675	HRDOW	1.5	1.5	1.5	1.5	1.5	1.5

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EMISFACT	L0000698	HRDOW	1.5	1.5	1.5	1.5	1.5	1.5
EMISFACT	L0000698	HRDOW	1.5	1.5	1.5	1.5	0.0	0.0
EMISFACT	L0000699	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000699	HRDOW	1.5	1.5	1.5	1.5	1.5	1.5
EMISFACT	L0000699	HRDOW	1.5	1.5	1.5	1.5	1.5	1.5
EMISFACT	L0000699	HRDOW	1.5	1.5	1.5	1.5	0.0	0.0
EMISFACT	L0000700	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000700	HRDOW	1.5	1.5	1.5	1.5	1.5	1.5
EMISFACT	L0000700	HRDOW	1.5	1.5	1.5	1.5	1.5	1.5
EMISFACT	L0000700	HRDOW	1.5	1.5	1.5	1.5	0.0	0.0

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EMISFACT	L0000555	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000555	HRDOW	1.5	1.5	1.5	1.5	1.5	1.5
EMISFACT	L0000555	HRDOW	1.5	1.5	1.5	1.5	1.5	1.5

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** WeekDays:
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EMISFACT	L0001005	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001005	HRDOW	1.5	1.5	1.5	1.5	1.5	1.5
EMISFACT	L0001005	HRDOW	1.5	1.5	1.5	1.5	1.5	1.5
EMISFACT	L0001005	HRDOW	1.5	1.5	1.5	1.5	0.0	0.0
EMISFACT	L0001006	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001006	HRDOW	1.5	1.5	1.5	1.5	1.5	1.5
EMISFACT	L0001006	HRDOW	1.5	1.5	1.5	1.5	1.5	1.5
EMISFACT	L0001006	HRDOW	1.5	1.5	1.5	1.5	0.0	0.0
EMISFACT	L0001007	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001007	HRDOW	1.5	1.5	1.5	1.5	1.5	1.5
EMISFACT	L0001007	HRDOW	1.5	1.5	1.5	1.5	1.5	1.5
EMISFACT	L0001007	HRDOW	1.5	1.5	1.5	1.5	0.0	0.0
EMISFACT	L0001008	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001008	HRDOW	1.5	1.5	1.5	1.5	1.5	1.5
EMISFACT	L0001008	HRDOW	1.5	1.5	1.5	1.5	1.5	1.5
EMISFACT	L0001008	HRDOW	1.5	1.5	1.5	1.5	0.0	0.0

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** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 3"
** WeekDays:
  EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT PAREA3      HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
  EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT PAREA3      HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
  EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT PAREA3      HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
  EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT PAREA3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT L0000149     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000149     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
  EMISFACT L0000149     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000149     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000150     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000150     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
  EMISFACT L0000150     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000150     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000151     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000151     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
  EMISFACT L0000151     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000151     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000151     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000152     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000152     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
  EMISFACT L0000152     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000152     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000153     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000153     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
  EMISFACT L0000153     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000153     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000154     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000154     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
  EMISFACT L0000154     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000154     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000154     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000155     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000155     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
  EMISFACT L0000155     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000155     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000156     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000156     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
  EMISFACT L0000156     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000156     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

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EMISFACT L0000401	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000401	HRDOW	0.0	6.0	6.0	6.0	6.0	0.0
EMISFACT L0000401	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000401	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000402	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000402	HRDOW	0.0	6.0	6.0	6.0	6.0	0.0
EMISFACT L0000402	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000402	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000403	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000403	HRDOW	0.0	6.0	6.0	6.0	6.0	0.0
EMISFACT L0000403	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000403	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000404	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000404	HRDOW	0.0	6.0	6.0	6.0	6.0	0.0
EMISFACT L0000404	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000404	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000405	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000405	HRDOW	0.0	6.0	6.0	6.0	6.0	0.0
EMISFACT L0000405	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000405	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000406	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000406	HRDOW	0.0	6.0	6.0	6.0	6.0	0.0
EMISFACT L0000406	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000406	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000407	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000407	HRDOW	0.0	6.0	6.0	6.0	6.0	0.0
EMISFACT L0000407	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000407	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

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

** Variable Emission Scenario: "Scenario 4"

** WeekDays:

EMISFACT PAREA2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT PAREA2	HRDOW	0.0	2.0	2.0	2.0	2.0	2.0
EMISFACT PAREA2	HRDOW	2.0	2.0	2.0	2.0	2.0	2.0
EMISFACT PAREA2	HRDOW	2.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT PAREA2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT PAREA2	HRDOW	0.0	2.0	2.0	2.0	2.0	2.0
EMISFACT PAREA2	HRDOW	2.0	2.0	2.0	2.0	2.0	2.0
EMISFACT PAREA2	HRDOW	2.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT PAREA2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT PAREA2	HRDOW	0.0	2.0	2.0	2.0	2.0	2.0
EMISFACT PAREA2	HRDOW	2.0	2.0	2.0	2.0	2.0	2.0
EMISFACT PAREA2	HRDOW	2.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT L0000408	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT L0000408	HRDOW	0.0	2.0	2.0	2.0	2.0	2.0
EMISFACT L0000408	HRDOW	2.0	2.0	2.0	2.0	2.0	2.0

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EMISFACT	L0000471	HRDOW	0.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000471	HRDOW	2.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000471	HRDOW	2.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000472	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000472	HRDOW	0.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000472	HRDOW	2.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000472	HRDOW	2.0	0.0	0.0	0.0	0.0	0.0

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EMISFACT	L0000468	HRDOW	2.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000468	HRDOW	2.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000469	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000469	HRDOW	0.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000469	HRDOW	2.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000469	HRDOW	2.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000470	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000470	HRDOW	0.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000470	HRDOW	2.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000470	HRDOW	2.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000471	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000471	HRDOW	0.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000471	HRDOW	2.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000471	HRDOW	2.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000472	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000472	HRDOW	0.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000472	HRDOW	2.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000472	HRDOW	2.0	0.0	0.0	0.0	0.0	0.0

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EMISFACT	L0000465	HRDOW	2.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000466	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000466	HRDOW	0.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000466	HRDOW	2.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000466	HRDOW	2.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000467	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000467	HRDOW	0.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000467	HRDOW	2.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000467	HRDOW	2.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000468	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000468	HRDOW	0.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000468	HRDOW	2.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000468	HRDOW	2.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000469	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000469	HRDOW	0.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000469	HRDOW	2.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000469	HRDOW	2.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000470	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000470	HRDOW	0.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000470	HRDOW	2.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000470	HRDOW	2.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000471	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000471	HRDOW	0.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000471	HRDOW	2.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000471	HRDOW	2.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000472	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000472	HRDOW	0.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000472	HRDOW	2.0	2.0	2.0	2.0	2.0	2.0
EMISFACT	L0000472	HRDOW	2.0	0.0	0.0	0.0	0.0	0.0

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

** Variable Emission Scenario: "Scenario 5"

** WeekDays:

EMISFACT	L0000473	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000473	HRDOW	0.0	4.5	4.5	4.5	4.5	4.5
EMISFACT	L0000473	HRDOW	4.5	4.5	4.5	0.0	0.0	0.0
EMISFACT	L0000473	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000474	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000474	HRDOW	0.0	4.5	4.5	4.5	4.5	4.5
EMISFACT	L0000474	HRDOW	4.5	4.5	4.5	0.0	0.0	0.0
EMISFACT	L0000474	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000475	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000475	HRDOW	0.0	4.5	4.5	4.5	4.5	4.5
EMISFACT	L0000475	HRDOW	4.5	4.5	4.5	0.0	0.0	0.0
EMISFACT	L0000475	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000476	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000476	HRDOW	0.0	4.5	4.5	4.5	4.5	4.5
EMISFACT	L0000476	HRDOW	4.5	4.5	4.5	0.0	0.0	0.0
EMISFACT	L0000476	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000477	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

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EMISFACT	L0000552	HRDOW	0.0	4.5	4.5	4.5	4.5	4.5
EMISFACT	L0000552	HRDOW	4.5	4.5	4.5	0.0	0.0	0.0
EMISFACT	L0000552	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000553	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000553	HRDOW	0.0	4.5	4.5	4.5	4.5	4.5
EMISFACT	L0000553	HRDOW	4.5	4.5	4.5	0.0	0.0	0.0
EMISFACT	L0000553	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000554	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000554	HRDOW	0.0	4.5	4.5	4.5	4.5	4.5
EMISFACT	L0000554	HRDOW	4.5	4.5	4.5	0.0	0.0	0.0
EMISFACT	L0000554	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

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EMISFACT	L0000550	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000550	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000550	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000551	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000551	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000551	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000551	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000552	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000552	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000552	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000552	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000553	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000553	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000553	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000553	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000554	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000554	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000554	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

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

** Variable Emission Scenario: "Scenario 6"

** WeekDays:

EMISFACT	L0001066	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001066	HRDOW	0.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001066	HRDOW	3.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001066	HRDOW	3.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001067	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001067	HRDOW	0.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001067	HRDOW	3.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001067	HRDOW	3.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001068	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001068	HRDOW	0.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001068	HRDOW	3.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001068	HRDOW	3.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001069	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001069	HRDOW	0.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001069	HRDOW	3.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001069	HRDOW	3.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001070	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001070	HRDOW	0.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001070	HRDOW	3.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001070	HRDOW	3.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001071	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001071	HRDOW	0.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001071	HRDOW	3.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001071	HRDOW	3.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001072	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001072	HRDOW	0.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001072	HRDOW	3.0	3.0	3.0	3.0	3.0	3.0

EMISFACT	L0001074	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001074	HRDOW	0.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001074	HRDOW	3.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001074	HRDOW	3.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001075	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001075	HRDOW	0.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001075	HRDOW	3.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001075	HRDOW	3.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001076	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001076	HRDOW	0.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001076	HRDOW	3.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001076	HRDOW	3.0	0.0	0.0	0.0	0.0	0.0

**** Sunday:**

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EMISFACT	L0001056	HRDOW	3.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001056	HRDOW	3.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001057	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001057	HRDOW	0.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001057	HRDOW	3.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001057	HRDOW	3.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001058	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001058	HRDOW	0.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001058	HRDOW	3.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001058	HRDOW	3.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001059	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001059	HRDOW	0.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001059	HRDOW	3.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001059	HRDOW	3.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001060	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001060	HRDOW	0.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001060	HRDOW	3.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001060	HRDOW	3.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001061	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001061	HRDOW	0.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001061	HRDOW	3.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001061	HRDOW	3.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001062	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001062	HRDOW	0.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001062	HRDOW	3.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001062	HRDOW	3.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001063	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001063	HRDOW	0.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001063	HRDOW	3.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001063	HRDOW	3.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001064	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001064	HRDOW	0.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001064	HRDOW	3.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001064	HRDOW	3.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001065	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0001065	HRDOW	0.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001065	HRDOW	3.0	3.0	3.0	3.0	3.0	3.0
EMISFACT	L0001065	HRDOW	3.0	0.0	0.0	0.0	0.0	0.0

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EMISFACT L0001062	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001062	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001062	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001063	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001063	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001063	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001063	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001064	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001064	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001064	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001064	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001065	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001065	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001065	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001065	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL1	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1	HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT VOL1	HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT VOL1	HRDOW 3.0 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 3.0 3.0 3.0 3.0 3.0
EMISFACT VOL1	HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT VOL1	HRDOW 3.0 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 3.0 3.0 3.0 3.0 3.0
EMISFACT VOL2	HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT VOL2	HRDOW 3.0 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 3.0 3.0 3.0 3.0 3.0
EMISFACT VOL2	HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT VOL2	HRDOW 3.0 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
SRCGROUP SRCGP1	PAREA1
SRCGROUP SRCGP2	L0000674 L0000675 L0000676 L0000677 L0000678 L0000679
SRCGROUP SRCGP2	L0000680 L0000681 L0000682 L0000683 L0000684 L0000685
SRCGROUP SRCGP2	L0000686 L0000687 L0000688 L0000689 L0000690 L0000691
SRCGROUP SRCGP2	L0000692 L0000693 L0000694 L0000695 L0000696 L0000697

SRCGROUP	SRCGP2	L0000698	L0000699	L0000700			
SRCGROUP	SRCGP3	L0000555	L0000556	L0000557	L0000558	L0000559	L0000560
SRCGROUP	SRCGP3	L0000561	L0000562	L0000563	L0000564	L0000565	L0000566
SRCGROUP	SRCGP3	L0000567	L0000568	L0000569	L0000570	L0000571	L0000572
SRCGROUP	SRCGP3	L0000573	L0000574	L0000575	L0000576	L0000577	L0000578
SRCGROUP	SRCGP3	L0000579	L0000580	L0000581	L0000582	L0000583	L0000584
SRCGROUP	SRCGP3	L0000585	L0000586	L0000587	L0000588	L0000589	L0000590
SRCGROUP	SRCGP3	L0000591	L0000592	L0000593	L0000594	L0000595	L0000596
SRCGROUP	SRCGP3	L0000597	L0000598	L0000599	L0000600	L0000601	L0000602
SRCGROUP	SRCGP3	L0000603	L0000604	L0000605	L0000606	L0000607	L0000608
SRCGROUP	SRCGP3	L0000609	L0000610	L0000611	L0000612	L0000613	L0000614
SRCGROUP	SRCGP3	L0000615	L0000616	L0000617	L0000618	L0000619	L0000620
SRCGROUP	SRCGP3	L0000621	L0000622	L0000623	L0000624	L0000625	L0000626
SRCGROUP	SRCGP3	L0000627	L0000628	L0000629	L0000630	L0000631	L0000632
SRCGROUP	SRCGP3	L0000633	L0000634	L0000635	L0000636	L0000637	L0000638
SRCGROUP	SRCGP3	L0000639	L0000640	L0000641	L0000642	L0000643	L0000644
SRCGROUP	SRCGP3	L0000645	L0000646	L0000647	L0000648	L0000649	L0000650
SRCGROUP	SRCGP3	L0000651	L0000652	L0000653	L0000654	L0000655	L0000656
SRCGROUP	SRCGP3	L0000657	L0000658	L0000659	L0000660	L0000661	L0000662
SRCGROUP	SRCGP3	L0000663	L0000664	L0000665	L0000666	L0000667	L0000668
SRCGROUP	SRCGP3	L0000669	L0000670	L0000671	L0000672	L0000673	
SRCGROUP	SRCGP4	L0000149	L0000150	L0000151	L0000152	L0000153	L0000154
SRCGROUP	SRCGP4	L0000155	L0000156	L0000157	L0000158	L0000159	L0000160
SRCGROUP	SRCGP4	L0000161	L0000162	L0000163	L0000164	L0000165	L0000166
SRCGROUP	SRCGP4	L0000167	L0000168	L0000169	L0000170	L0000171	L0000172
SRCGROUP	SRCGP4	L0000173	L0000174	L0000175	L0000176	L0000177	L0000178
SRCGROUP	SRCGP4	L0000179	L0000180	L0000181	L0000182	L0000183	L0000184
SRCGROUP	SRCGP4	L0000185	L0000186	L0000187	L0000188	L0000189	L0000190
SRCGROUP	SRCGP4	L0000191	L0000192	L0000193	L0000194	L0000195	L0000196
SRCGROUP	SRCGP4	L0000197	L0000198	L0000199	L0000200	L0000201	L0000202
SRCGROUP	SRCGP4	L0000203	L0000204	L0000205	L0000206	L0000207	L0000208
SRCGROUP	SRCGP4	L0000209	L0000210	L0000211	L0000212	L0000213	L0000214
SRCGROUP	SRCGP4	L0000215	L0000216	L0000217	L0000218	L0000219	L0000220
SRCGROUP	SRCGP4	L0000221	L0000222	L0000223	L0000224	L0000225	L0000226
SRCGROUP	SRCGP4	L0000227	L0000228	L0000229	L0000230	L0000231	L0000232
SRCGROUP	SRCGP4	L0000233	L0000234	L0000235	L0000236	L0000237	L0000238
SRCGROUP	SRCGP4	L0000239	L0000240	L0000241	L0000242	L0000243	L0000244
SRCGROUP	SRCGP4	L0000245	L0000246	L0000247	L0000248	L0000249	L0000250
SRCGROUP	SRCGP4	L0000251	L0000252	L0000253	L0000254	L0000255	L0000256
SRCGROUP	SRCGP4	L0000257	L0000258	L0000259	L0000260	L0000261	L0000262
SRCGROUP	SRCGP4	L0000263	L0000264	L0000265	L0000266	L0000267	L0000268
SRCGROUP	SRCGP4	L0000269	L0000270	L0000271	L0000272	L0000273	L0000274
SRCGROUP	SRCGP4	L0000275	L0000276	L0000277	L0000278	L0000279	L0000280
SRCGROUP	SRCGP4	L0000281	L0000282	L0000283	L0000284	L0000285	L0000286
SRCGROUP	SRCGP4	L0000287	L0000288	L0000289	L0000290	L0000291	L0000292
SRCGROUP	SRCGP4	L0000293	L0000294	L0000295	L0000296	L0000297	L0000298
SRCGROUP	SRCGP4	L0000299	L0000300	L0000301	L0000302	L0000303	L0000304
SRCGROUP	SRCGP4	L0000305	L0000306	L0000307	L0000308	L0000309	L0000310
SRCGROUP	SRCGP4	L0000311	L0000312	L0000313	L0000314	L0000315	L0000316
SRCGROUP	SRCGP4	L0000317	L0000318	L0000319	L0000320	L0000321	L0000322

SRCGROUP	SRCGP4	L0000323	L0000324	L0000325	L0000326	L0000327	L0000328
SRCGROUP	SRCGP4	L0000329	L0000330	L0000331	L0000332	L0000333	L0000334
SRCGROUP	SRCGP4	L0000335	L0000336	L0000337	L0000338	L0000339	L0000340
SRCGROUP	SRCGP4	L0000341	L0000342	L0000343	L0000344	L0000345	L0000346
SRCGROUP	SRCGP4	L0000347	L0000348	L0000349	L0000350	L0000351	L0000352
SRCGROUP	SRCGP4	L0000353	L0000354	L0000355	L0000356	L0000357	L0000358
SRCGROUP	SRCGP4	L0000359	L0000360	L0000361	L0000362	L0000363	L0000364
SRCGROUP	SRCGP4	L0000365	L0000366	L0000367	L0000368	L0000369	L0000370
SRCGROUP	SRCGP4	L0000371	L0000372	L0000373	L0000374	L0000375	L0000376
SRCGROUP	SRCGP4	L0000377	L0000378	L0000379	L0000380	L0000381	L0000382
SRCGROUP	SRCGP4	L0000383	L0000384	L0000385	L0000386	L0000387	L0000388
SRCGROUP	SRCGP4	L0000389	L0000390	L0000391	L0000392	L0000393	L0000394
SRCGROUP	SRCGP4	L0000395	L0000396	L0000397	L0000398	L0000399	L0000400
SRCGROUP	SRCGP4	L0000401	L0000402	L0000403	L0000404	L0000405	L0000406
SRCGROUP	SRCGP4	L0000407					
SRCGROUP	SRCGP5	L0000408	L0000409	L0000410	L0000411	L0000412	L0000413
SRCGROUP	SRCGP5	L0000414	L0000415	L0000416	L0000417	L0000418	L0000419
SRCGROUP	SRCGP5	L0000420	L0000421	L0000422	L0000423	L0000424	L0000425
SRCGROUP	SRCGP5	L0000426	L0000427	L0000428	L0000429	L0000430	L0000431
SRCGROUP	SRCGP5	L0000432	L0000433	L0000434	L0000435	L0000436	L0000437
SRCGROUP	SRCGP5	L0000438	L0000439	L0000440	L0000441	L0000442	L0000443
SRCGROUP	SRCGP5	L0000444	L0000445	L0000446	L0000447	L0000448	L0000449
SRCGROUP	SRCGP5	L0000450	L0000451	L0000452	L0000453	L0000454	L0000455
SRCGROUP	SRCGP5	L0000456	L0000457	L0000458	L0000459	L0000460	L0000461
SRCGROUP	SRCGP5	L0000462	L0000463	L0000464	L0000465	L0000466	L0000467
SRCGROUP	SRCGP5	L0000468	L0000469	L0000470	L0000471	L0000472	
SRCGROUP	SRCGP6	L0000473	L0000474	L0000475	L0000476	L0000477	L0000478
SRCGROUP	SRCGP6	L0000479	L0000480	L0000481	L0000482	L0000483	L0000484
SRCGROUP	SRCGP6	L0000485	L0000486	L0000487	L0000488	L0000489	L0000490
SRCGROUP	SRCGP6	L0000491	L0000492	L0000493	L0000494	L0000495	L0000496
SRCGROUP	SRCGP6	L0000497	L0000498	L0000499	L0000500	L0000501	L0000502
SRCGROUP	SRCGP6	L0000503	L0000504	L0000505	L0000506	L0000507	L0000508
SRCGROUP	SRCGP6	L0000509	L0000510	L0000511	L0000512	L0000513	L0000514
SRCGROUP	SRCGP6	L0000515	L0000516	L0000517	L0000518	L0000519	L0000520
SRCGROUP	SRCGP6	L0000521	L0000522	L0000523	L0000524	L0000525	L0000526
SRCGROUP	SRCGP6	L0000527	L0000528	L0000529	L0000530	L0000531	L0000532
SRCGROUP	SRCGP6	L0000533	L0000534	L0000535	L0000536	L0000537	L0000538
SRCGROUP	SRCGP6	L0000539	L0000540	L0000541	L0000542	L0000543	L0000544
SRCGROUP	SRCGP6	L0000545	L0000546	L0000547	L0000548	L0000549	L0000550
SRCGROUP	SRCGP6	L0000551	L0000552	L0000553	L0000554		
SRCGROUP	SRCGP7	STCK1	STCK2	STCK3	STCK4	STCK5	STCK6
SRCGROUP	SRCGP8	STCK10					
SRCGROUP	SRCGP9	STCK7					
SRCGROUP	SRCGP10	STCK8					
SRCGROUP	SRCGP11	STCK9					
SRCGROUP	SRCGP12	L0001020	L0001021	L0001022	L0001023	L0001024	L0001025
SRCGROUP	SRCGP12	L0001026	L0001027	L0001028	L0001029	L0001030	L0001031
SRCGROUP	SRCGP12	L0001032	L0001033	L0001034	L0001035	L0001036	L0001037
SRCGROUP	SRCGP12	L0001038	L0001039	L0001040	L0001041	L0001042	L0001043
SRCGROUP	SRCGP12	L0001044	L0001045	L0001046	L0001047	L0001048	L0001049

SRCGROUP	SRCGP12	L0001050	L0001051	L0001052	L0001053	L0001054	L0001055
SRCGROUP	SRCGP12	L0001056	L0001057	L0001058	L0001059	L0001060	L0001061
SRCGROUP	SRCGP12	L0001062	L0001063	L0001064	L0001065	VOL1 VOL2	L0001066
SRCGROUP	SRCGP12	L0001067	L0001068	L0001069	L0001070	L0001071	L0001072
SRCGROUP	SRCGP12	L0001073	L0001074	L0001075	L0001076		
SRCGROUP	SRCGP13	L0000851	L0000852	L0000853	L0000854	L0000855	L0000856
SRCGROUP	SRCGP13	L0000857	L0000858	L0000859	L0000860	L0000861	L0000862
SRCGROUP	SRCGP13	L0000863	L0000864	L0000865	L0000866	L0000867	L0000868
SRCGROUP	SRCGP13	L0000869	L0000870	L0000871	L0000872	L0000873	L0000874
SRCGROUP	SRCGP13	L0000875	L0000876	L0000877	L0000878	L0000879	L0000880
SRCGROUP	SRCGP13	L0000881	L0000882	L0000883	L0000884	L0000885	L0000886
SRCGROUP	SRCGP13	L0000887	L0000888	L0000889	L0000890	L0000891	L0000892
SRCGROUP	SRCGP13	L0000893	L0000894	L0000895	L0000896	L0000897	L0000898
SRCGROUP	SRCGP13	L0000899	L0000900	L0000901	L0000902	L0000903	L0000904
SRCGROUP	SRCGP13	L0000905	L0000906	L0000907	L0000908	L0000909	L0000910
SRCGROUP	SRCGP13	L0000911	L0000912	L0000913	L0000914	L0000915	L0000916
SRCGROUP	SRCGP13	L0000917	L0000918	L0000919	L0000920	L0000921	L0000922
SRCGROUP	SRCGP13	L0000923	L0000924	L0000925	L0000926	L0000927	L0000928
SRCGROUP	SRCGP13	L0000929	L0000930	L0000931	L0000932	L0000933	L0000934
SRCGROUP	SRCGP13	L0000935	L0000936	L0000937	L0000938	L0000939	L0000940
SRCGROUP	SRCGP13	L0000941	L0000942	L0000943	L0000944	L0000945	L0000946
SRCGROUP	SRCGP13	L0000947	L0000948	L0000949	L0000950	L0000951	L0000952
SRCGROUP	SRCGP13	L0000953	L0000954	L0000955	L0000956	L0000957	L0000958
SRCGROUP	SRCGP13	L0000959	L0000960	L0000961	L0000962	L0000963	L0000964
SRCGROUP	SRCGP13	L0000965	L0000966	L0000967	L0000968	L0000969	L0000970
SRCGROUP	SRCGP13	L0000971	L0000972	L0000973	L0000974	L0000975	L0000976
SRCGROUP	SRCGP13	L0000977	L0000978	L0000979	L0000980	L0000981	L0000982
SRCGROUP	SRCGP13	L0000983	L0000984	L0000985	L0000986	L0000987	L0000988
SRCGROUP	SRCGP13	L0000989	L0000990	L0000991	L0000992	L0000993	L0000994
SRCGROUP	SRCGP13	L0000995	L0000996	L0000997	L0000998	L0000999	L0001000
SRCGROUP	SRCGP13	L0001001	L0001002	L0001003	L0001004	L0001005	L0001006
SRCGROUP	SRCGP13	L0001007	L0001008				
SRCGROUP	SRCGP14	PAREA2					
SRCGROUP	SRCGP15	PAREA3					
SRCGROUP	SRCGP16	PAREA4					
SRCGROUP	ALL						

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** AERMOD Receptor Pathway

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RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE 725845\725845.SFC

PROFFILE 725845\725845.PFL

SURFDATA 23225 2009

UAIRDATA 3198 2009

PROFBASE 1608.1 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 SRCGP1 1ST IMM.AD\01H1G001.PLT 31

PLOTFILE 1 SRCGP2 1ST IMM.AD\01H1G002.PLT 32

PLOTFILE 1 SRCGP3 1ST IMM.AD\01H1G003.PLT 33

PLOTFILE 1 SRCGP4 1ST IMM.AD\01H1G004.PLT 34

PLOTFILE 1 SRCGP5 1ST IMM.AD\01H1G005.PLT 35

PLOTFILE 1 SRCGP6 1ST IMM.AD\01H1G006.PLT 36

PLOTFILE 1 SRCGP7 1ST IMM.AD\01H1G007.PLT 37

PLOTFILE 1 SRCGP8 1ST IMM.AD\01H1G008.PLT 38

PLOTFILE 1 SRCGP9 1ST IMM.AD\01H1G009.PLT 39

PLOTFILE 1 SRCGP10 1ST IMM.AD\01H1G010.PLT 40

PLOTFILE 1 SRCGP11 1ST IMM.AD\01H1G011.PLT 41

PLOTFILE 1 SRCGP12 1ST IMM.AD\01H1G012.PLT 42

PLOTFILE 1 SRCGP13 1ST IMM.AD\01H1G013.PLT 43

PLOTFILE 1 SRCGP14 1ST IMM.AD\01H1G014.PLT 44

PLOTFILE 1 SRCGP15 1ST IMM.AD\01H1G015.PLT 45

PLOTFILE 1 SRCGP16 1ST IMM.AD\01H1G016.PLT 46

PLOTFILE 1 ALL 1ST IMM.AD\01H1GALL.PLT 47

PLOTFILE PERIOD SRCGP1 IMM.AD\PE00G001.PLT 48

PLOTFILE PERIOD SRCGP2 IMM.AD\PE00G002.PLT 49

PLOTFILE PERIOD SRCGP3 IMM.AD\PE00G003.PLT 50

PLOTFILE PERIOD SRCGP4 IMM.AD\PE00G004.PLT 51

PLOTFILE PERIOD SRCGP5 IMM.AD\PE00G005.PLT 52

PLOTFILE PERIOD SRCGP6 IMM.AD\PE00G006.PLT 53

PLOTFILE PERIOD SRCGP7 IMM.AD\PE00G007.PLT 54

PLOTFILE PERIOD SRCGP8 IMM.AD\PE00G008.PLT 55

PLOTFILE PERIOD SRCGP9 IMM.AD\PE00G009.PLT 56

PLOTFILE PERIOD SRCGP10 IMM.AD\PE00G010.PLT 57

PLOTFILE PERIOD SRCGP11 IMM.AD\PE00G011.PLT 58

PLOTFILE PERIOD SRCGP12 IMM.AD\PE00G012.PLT 59

PLOTFILE PERIOD SRCGP13 IMM.AD\PE00G013.PLT 60

PLOTFILE PERIOD SRCGP14 IMM.AD\PE00G014.PLT 61

PLOTFILE PERIOD SRCGP15 IMM.AD\PE00G015.PLT 62
PLOTFILE PERIOD SRCGP16 IMM.AD\PE00G016.PLT 63
PLOTFILE PERIOD ALL IMM.AD\PE00GALL.PLT 64
SUMMFILE IMM.sum
OU FINISHED

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 1
*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** MODEL SETUP OPTIONS SUMMARY

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

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

**Model Uses RURAL Dispersion Only.

**Model Uses Regulatory DEFAULT Options:
1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.

**Other Options Specified:
CCVR_Sub - Meteorological data includes CCVR substitutions
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: VARIOUS

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 783 Source(s); 17 Source Group(s); and 561 Receptor(s)

with: 10 POINT(s), including
9 POINTCAP(s) and 0 POINTHOR(s)
and: 769 VOLUME source(s)
and: 4 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 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

**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) = 1608.10 ; 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 = 5.1 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: IMM.err

**File for Summary of Results: IMM.sum

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 *** AERMET - VERSION 14134 ***

 10/04/21
 13:59:48

PAGE 2
 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** POINT SOURCE DATA ***

STACK	STACK	BLDG	URBAN	CAP/	EMIS	RATE	BASE	STACK	STACK
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	TEMP.	EXIT	
VEL. DIAMETER	EXISTS	SOURCE	HOR	SCALAR	(METERS)	(METERS)	(METERS)	(DEG.K)	
ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(DEG.K)	
(M/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(DEG.K)	
VARY BY									

STCK1	0	0.16667E+00	671237.4	4342062.0	840.4	19.51	-0.00
5.77	1.48	NO	NO	CAP			
STCK2	0	0.16667E+00	671243.9	4342051.6	840.4	19.51	-0.00
5.77	1.48	NO	NO	CAP			
STCK3	0	0.16667E+00	671264.3	4342024.7	840.5	19.51	-0.00
5.77	1.48	NO	NO	CAP			
STCK4	0	0.16667E+00	671272.6	4342012.2	840.4	19.51	-0.00
5.77	1.48	NO	NO	CAP			
STCK5	0	0.16667E+00	671286.5	4341987.7	840.3	19.51	-0.00
5.77	1.48	NO	NO	CAP			
STCK6	0	0.16667E+00	671295.3	4341977.7	840.4	19.51	-0.00
5.77	1.48	NO	NO	CAP			
STCK7	0	0.10000E+01	671115.6	4342068.2	835.8	50.30	293.15
2.34	7.17	NO	NO	NO			
STCK8	0	0.10000E+01	671278.5	4341926.8	837.7	9.14	730.37
40.86	0.46	NO	NO	CAP			
STCK9	0	0.10000E+01	671292.1	4341930.7	838.7	3.60	-0.00
0.00	0.00	NO	NO	CAP			
STCK10	0	0.10000E+01	669069.3	4343365.5	759.4	3.60	-0.00
0.00	0.00	NO	NO	CAP			

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 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 10/04/21

 *** AERMET - VERSION 14134 ***

 13:59:48

PAGE 3
 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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

L0000555		0	0.84034E-02	671066.4	4342126.3	843.7	5.00	11.63
11.63	NO	HRDOW						
L0000556		0	0.84034E-02	671057.4	4342103.0	842.9	5.00	11.63
11.63	NO	HRDOW						
L0000557		0	0.84034E-02	671057.6	4342078.7	841.2	5.00	11.63
11.63	NO	HRDOW						
L0000558		0	0.84034E-02	671071.4	4342061.7	838.5	5.00	11.63
11.63	NO	HRDOW						
L0000559		0	0.84034E-02	671095.1	4342054.7	837.2	5.00	11.63
11.63	NO	HRDOW						
L0000560		0	0.84034E-02	671120.0	4342052.7	834.1	5.00	11.63
11.63	NO	HRDOW						
L0000561		0	0.84034E-02	671130.0	4342072.3	834.7	5.00	11.63
11.63	NO	HRDOW						
L0000562		0	0.84034E-02	671136.9	4342096.3	835.4	5.00	11.63
11.63	NO	HRDOW						
L0000563		0	0.84034E-02	671143.9	4342120.4	838.1	5.00	11.63
11.63	NO	HRDOW						
L0000564		0	0.84034E-02	671150.7	4342144.4	841.0	5.00	11.63
11.63	NO	HRDOW						
L0000565		0	0.84034E-02	671145.2	4342160.3	842.5	5.00	11.63
11.63	NO	HRDOW						
L0000566		0	0.84034E-02	671120.4	4342163.5	843.9	5.00	11.63
11.63	NO	HRDOW						
L0000567		0	0.84034E-02	671095.6	4342166.8	845.2	5.00	11.63
11.63	NO	HRDOW						
L0000568		0	0.84034E-02	671071.8	4342174.3	846.5	5.00	11.63
11.63	NO	HRDOW						
L0000569		0	0.84034E-02	671068.4	4342186.7	847.4	5.00	11.63
11.63	NO	HRDOW						
L0000570		0	0.84034E-02	671086.6	4342203.8	848.2	5.00	11.63
11.63	NO	HRDOW						
L0000571		0	0.84034E-02	671104.8	4342220.9	850.1	5.00	11.63
11.63	NO	HRDOW						
L0000572		0	0.84034E-02	671123.1	4342238.0	850.3	5.00	11.63
11.63	NO	HRDOW						
L0000573		0	0.84034E-02	671141.3	4342255.1	853.1	5.00	11.63
11.63	NO	HRDOW						
L0000574		0	0.84034E-02	671159.5	4342272.2	855.0	5.00	11.63
11.63	NO	HRDOW						
L0000575		0	0.84034E-02	671177.7	4342289.3	856.6	5.00	11.63

11.63	NO	HRDOW						
L0000576		0	0.84034E-02	671185.1	4342306.6	858.5	5.00	11.63
11.63	NO	HRDOW						
L0000577		0	0.84034E-02	671167.4	4342324.3	859.6	5.00	11.63
11.63	NO	HRDOW						
L0000578		0	0.84034E-02	671149.8	4342341.9	860.3	5.00	11.63
11.63	NO	HRDOW						
L0000579		0	0.84034E-02	671132.1	4342359.6	860.8	5.00	11.63
11.63	NO	HRDOW						
L0000580		0	0.84034E-02	671114.4	4342377.3	861.1	5.00	11.63
11.63	NO	HRDOW						
L0000581		0	0.84034E-02	671097.8	4342396.0	860.7	5.00	11.63
11.63	NO	HRDOW						
L0000582		0	0.84034E-02	671081.4	4342414.8	858.9	5.00	11.63
11.63	NO	HRDOW						
L0000583		0	0.84034E-02	671064.9	4342433.6	857.0	5.00	11.63
11.63	NO	HRDOW						
L0000584		0	0.84034E-02	671048.4	4342452.5	853.8	5.00	11.63
11.63	NO	HRDOW						
L0000585		0	0.84034E-02	671032.5	4342471.6	850.7	5.00	11.63
11.63	NO	HRDOW						
L0000586		0	0.84034E-02	671020.7	4342493.7	849.8	5.00	11.63
11.63	NO	HRDOW						
L0000587		0	0.84034E-02	671008.9	4342515.7	849.6	5.00	11.63
11.63	NO	HRDOW						
L0000588		0	0.84034E-02	670997.2	4342537.8	850.4	5.00	11.63
11.63	NO	HRDOW						
L0000589		0	0.84034E-02	670985.4	4342559.8	852.0	5.00	11.63
11.63	NO	HRDOW						
L0000590		0	0.84034E-02	670973.6	4342581.9	852.7	5.00	11.63
11.63	NO	HRDOW						
L0000591		0	0.84034E-02	670961.9	4342604.0	853.1	5.00	11.63
11.63	NO	HRDOW						
L0000592		0	0.84034E-02	670950.2	4342626.0	854.4	5.00	11.63
11.63	NO	HRDOW						
L0000593		0	0.84034E-02	670938.5	4342648.2	856.5	5.00	11.63
11.63	NO	HRDOW						
L0000594		0	0.84034E-02	670926.8	4342670.3	858.4	5.00	11.63

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 4

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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

L0000595		0	0.84034E-02	670915.2	4342692.4	859.8	5.00	11.63
11.63	NO	HRDOW						
L0000596		0	0.84034E-02	670903.5	4342714.5	860.8	5.00	11.63
11.63	NO	HRDOW						
L0000597		0	0.84034E-02	670891.8	4342736.6	864.1	5.00	11.63
11.63	NO	HRDOW						
L0000598		0	0.84034E-02	670880.2	4342758.7	865.8	5.00	11.63
11.63	NO	HRDOW						
L0000599		0	0.84034E-02	670861.9	4342775.4	866.0	5.00	11.63
11.63	NO	HRDOW						
L0000600		0	0.84034E-02	670842.5	4342791.2	866.0	5.00	11.63
11.63	NO	HRDOW						
L0000601		0	0.84034E-02	670823.2	4342807.0	865.6	5.00	11.63
11.63	NO	HRDOW						
L0000602		0	0.84034E-02	670803.8	4342822.8	864.9	5.00	11.63
11.63	NO	HRDOW						
L0000603		0	0.84034E-02	670784.4	4342838.6	861.3	5.00	11.63
11.63	NO	HRDOW						
L0000604		0	0.84034E-02	670764.5	4342853.7	860.1	5.00	11.63
11.63	NO	HRDOW						
L0000605		0	0.84034E-02	670743.9	4342867.9	859.5	5.00	11.63
11.63	NO	HRDOW						
L0000606		0	0.84034E-02	670723.4	4342882.1	857.1	5.00	11.63
11.63	NO	HRDOW						
L0000607		0	0.84034E-02	670702.8	4342896.3	854.0	5.00	11.63
11.63	NO	HRDOW						
L0000608		0	0.84034E-02	670682.2	4342910.5	852.9	5.00	11.63
11.63	NO	HRDOW						
L0000609		0	0.84034E-02	670661.6	4342924.7	851.1	5.00	11.63
11.63	NO	HRDOW						
L0000610		0	0.84034E-02	670641.1	4342938.9	848.8	5.00	11.63
11.63	NO	HRDOW						
L0000611		0	0.84034E-02	670620.5	4342953.1	845.8	5.00	11.63
11.63	NO	HRDOW						
L0000612		0	0.84034E-02	670599.8	4342967.2	843.3	5.00	11.63
11.63	NO	HRDOW						
L0000613		0	0.84034E-02	670579.1	4342981.2	842.4	5.00	11.63
11.63	NO	HRDOW						
L0000614		0	0.84034E-02	670558.4	4342995.1	839.8	5.00	11.63
11.63	NO	HRDOW						
L0000615		0	0.84034E-02	670537.6	4343009.1	836.6	5.00	11.63

11.63	NO	HRDOW						
L0000616		0	0.84034E-02	670516.9	4343023.1	835.9	5.00	11.63
11.63	NO	HRDOW						
L0000617		0	0.84034E-02	670496.2	4343037.1	833.5	5.00	11.63
11.63	NO	HRDOW						
L0000618		0	0.84034E-02	670475.4	4343051.0	832.1	5.00	11.63
11.63	NO	HRDOW						
L0000619		0	0.84034E-02	670462.0	4343071.8	830.6	5.00	11.63
11.63	NO	HRDOW						
L0000620		0	0.84034E-02	670449.5	4343093.4	828.0	5.00	11.63
11.63	NO	HRDOW						
L0000621		0	0.84034E-02	670437.1	4343115.1	825.0	5.00	11.63
11.63	NO	HRDOW						
L0000622		0	0.84034E-02	670424.6	4343136.8	824.2	5.00	11.63
11.63	NO	HRDOW						
L0000623		0	0.84034E-02	670412.2	4343158.5	823.8	5.00	11.63
11.63	NO	HRDOW						
L0000624		0	0.84034E-02	670389.8	4343160.5	824.4	5.00	11.63
11.63	NO	HRDOW						
L0000625		0	0.84034E-02	670364.9	4343157.7	825.4	5.00	11.63
11.63	NO	HRDOW						
L0000626		0	0.84034E-02	670341.9	4343162.6	826.1	5.00	11.63
11.63	NO	HRDOW						
L0000627		0	0.84034E-02	670321.0	4343176.3	826.2	5.00	11.63
11.63	NO	HRDOW						
L0000628		0	0.84034E-02	670300.1	4343190.0	826.0	5.00	11.63
11.63	NO	HRDOW						
L0000629		0	0.84034E-02	670276.5	4343198.2	826.2	5.00	11.63
11.63	NO	HRDOW						
L0000630		0	0.84034E-02	670252.8	4343206.3	826.2	5.00	11.63
11.63	NO	HRDOW						
L0000631		0	0.84034E-02	670229.2	4343214.3	826.3	5.00	11.63
11.63	NO	HRDOW						
L0000632		0	0.84034E-02	670205.5	4343222.4	826.3	5.00	11.63
11.63	NO	HRDOW						
L0000633		0	0.84034E-02	670181.8	4343230.5	826.4	5.00	11.63
11.63	NO	HRDOW						
L0000634		0	0.84034E-02	670158.2	4343238.6	826.6	5.00	11.63

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 5

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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

L0000635		0	0.84034E-02	670134.5	4343246.7	826.5	5.00	11.63
11.63	NO	HRDOW						
L0000636		0	0.84034E-02	670110.9	4343254.7	826.2	5.00	11.63
11.63	NO	HRDOW						
L0000637		0	0.84034E-02	670087.2	4343262.8	825.9	5.00	11.63
11.63	NO	HRDOW						
L0000638		0	0.84034E-02	670063.6	4343270.9	825.6	5.00	11.63
11.63	NO	HRDOW						
L0000639		0	0.84034E-02	670039.9	4343279.0	825.7	5.00	11.63
11.63	NO	HRDOW						
L0000640		0	0.84034E-02	670016.2	4343287.1	825.8	5.00	11.63
11.63	NO	HRDOW						
L0000641		0	0.84034E-02	669992.6	4343295.1	825.8	5.00	11.63
11.63	NO	HRDOW						
L0000642		0	0.84034E-02	669968.9	4343303.2	825.8	5.00	11.63
11.63	NO	HRDOW						
L0000643		0	0.84034E-02	669944.0	4343301.1	825.1	5.00	11.63
11.63	NO	HRDOW						
L0000644		0	0.84034E-02	669919.1	4343298.9	824.0	5.00	11.63
11.63	NO	HRDOW						
L0000645		0	0.84034E-02	669894.2	4343296.6	821.7	5.00	11.63
11.63	NO	HRDOW						
L0000646		0	0.84034E-02	669869.4	4343294.3	820.4	5.00	11.63
11.63	NO	HRDOW						
L0000647		0	0.84034E-02	669844.5	4343292.1	818.2	5.00	11.63
11.63	NO	HRDOW						
L0000648		0	0.84034E-02	669819.6	4343289.8	815.8	5.00	11.63
11.63	NO	HRDOW						
L0000649		0	0.84034E-02	669794.7	4343287.5	814.0	5.00	11.63
11.63	NO	HRDOW						
L0000650		0	0.84034E-02	669769.8	4343284.7	811.4	5.00	11.63
11.63	NO	HRDOW						
L0000651		0	0.84034E-02	669745.0	4343281.9	810.2	5.00	11.63
11.63	NO	HRDOW						
L0000652		0	0.84034E-02	669720.2	4343279.3	808.4	5.00	11.63
11.63	NO	HRDOW						
L0000653		0	0.84034E-02	669695.6	4343283.8	805.6	5.00	11.63
11.63	NO	HRDOW						
L0000654		0	0.84034E-02	669671.0	4343288.4	804.4	5.00	11.63
11.63	NO	HRDOW						
L0000655		0	0.84034E-02	669646.4	4343293.0	800.7	5.00	11.63

11.63	NO	HRDOW						
L0000656		0	0.84034E-02	669623.1	4343301.2	798.1	5.00	11.63
11.63	NO	HRDOW						
L0000657		0	0.84034E-02	669601.2	4343313.2	796.8	5.00	11.63
11.63	NO	HRDOW						
L0000658		0	0.84034E-02	669579.3	4343325.2	793.0	5.00	11.63
11.63	NO	HRDOW						
L0000659		0	0.84034E-02	669557.3	4343337.1	790.6	5.00	11.63
11.63	NO	HRDOW						
L0000660		0	0.84034E-02	669535.4	4343349.1	787.7	5.00	11.63
11.63	NO	HRDOW						
L0000661		0	0.84034E-02	669513.5	4343361.1	784.5	5.00	11.63
11.63	NO	HRDOW						
L0000662		0	0.84034E-02	669491.2	4343370.2	782.5	5.00	11.63
11.63	NO	HRDOW						
L0000663		0	0.84034E-02	669467.0	4343363.8	783.0	5.00	11.63
11.63	NO	HRDOW						
L0000664		0	0.84034E-02	669442.8	4343357.4	783.3	5.00	11.63
11.63	NO	HRDOW						
L0000665		0	0.84034E-02	669418.7	4343351.0	783.6	5.00	11.63
11.63	NO	HRDOW						
L0000666		0	0.84034E-02	669394.5	4343344.6	783.6	5.00	11.63
11.63	NO	HRDOW						
L0000667		0	0.84034E-02	669370.3	4343338.2	782.9	5.00	11.63
11.63	NO	HRDOW						
L0000668		0	0.84034E-02	669346.2	4343331.8	780.2	5.00	11.63
11.63	NO	HRDOW						
L0000669		0	0.84034E-02	669322.0	4343325.4	778.6	5.00	11.63
11.63	NO	HRDOW						
L0000670		0	0.84034E-02	669300.2	4343315.0	777.8	5.00	11.63
11.63	NO	HRDOW						
L0000671		0	0.84034E-02	669283.2	4343296.7	777.2	5.00	11.63
11.63	NO	HRDOW						
L0000672		0	0.84034E-02	669266.2	4343278.3	776.3	5.00	11.63
11.63	NO	HRDOW						
L0000673		0	0.84034E-02	669265.4	4343253.7	775.8	5.00	11.63
11.63	NO	HRDOW						
L0000149		0	0.38610E-02	669094.1	4343356.8	760.4	5.00	11.63

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 6

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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

L0000150		0	0.38610E-02	669069.9	4343350.5	759.8	5.00	11.63
11.63	NO	HRDOW						
L0000151		0	0.38610E-02	669045.7	4343344.2	759.3	5.00	11.63
11.63	NO	HRDOW						
L0000152		0	0.38610E-02	669021.6	4343337.9	758.8	5.00	11.63
11.63	NO	HRDOW						
L0000153		0	0.38610E-02	668997.4	4343331.6	758.0	5.00	11.63
11.63	NO	HRDOW						
L0000154		0	0.38610E-02	668973.2	4343325.3	757.6	5.00	11.63
11.63	NO	HRDOW						
L0000155		0	0.38610E-02	668948.5	4343321.9	757.3	5.00	11.63
11.63	NO	HRDOW						
L0000156		0	0.38610E-02	668923.6	4343319.4	757.1	5.00	11.63
11.63	NO	HRDOW						
L0000157		0	0.38610E-02	668898.7	4343316.9	756.9	5.00	11.63
11.63	NO	HRDOW						
L0000158		0	0.38610E-02	668873.8	4343314.5	756.8	5.00	11.63
11.63	NO	HRDOW						
L0000159		0	0.38610E-02	668849.0	4343312.0	756.7	5.00	11.63
11.63	NO	HRDOW						
L0000160		0	0.38610E-02	668824.3	4343307.9	756.8	5.00	11.63
11.63	NO	HRDOW						
L0000161		0	0.38610E-02	668799.8	4343302.8	757.0	5.00	11.63
11.63	NO	HRDOW						
L0000162		0	0.38610E-02	668775.4	4343297.7	757.1	5.00	11.63
11.63	NO	HRDOW						
L0000163		0	0.38610E-02	668753.3	4343289.8	759.9	5.00	11.63
11.63	NO	HRDOW						
L0000164		0	0.38610E-02	668744.6	4343266.4	763.4	5.00	11.63
11.63	NO	HRDOW						
L0000165		0	0.38610E-02	668734.3	4343244.0	765.1	5.00	11.63
11.63	NO	HRDOW						
L0000166		0	0.38610E-02	668717.1	4343226.3	768.0	5.00	11.63
11.63	NO	HRDOW						
L0000167		0	0.38610E-02	668712.8	4343201.7	766.1	5.00	11.63
11.63	NO	HRDOW						
L0000168		0	0.38610E-02	668708.5	4343177.0	765.4	5.00	11.63
11.63	NO	HRDOW						
L0000169		0	0.38610E-02	668704.2	4343152.4	766.6	5.00	11.63
11.63	NO	HRDOW						
L0000170		0	0.38610E-02	668700.0	4343127.8	767.6	5.00	11.63

11.63	NO	HRDOW						
L0000171		0	0.38610E-02	668695.7	4343103.1	768.6	5.00	11.63
11.63	NO	HRDOW						
L0000172		0	0.38610E-02	668701.1	4343085.9	768.6	5.00	11.63
11.63	NO	HRDOW						
L0000173		0	0.38610E-02	668726.0	4343083.2	767.4	5.00	11.63
11.63	NO	HRDOW						
L0000174		0	0.38610E-02	668749.0	4343075.1	766.8	5.00	11.63
11.63	NO	HRDOW						
L0000175		0	0.38610E-02	668770.5	4343062.3	766.4	5.00	11.63
11.63	NO	HRDOW						
L0000176		0	0.38610E-02	668789.8	4343046.5	766.8	5.00	11.63
11.63	NO	HRDOW						
L0000177		0	0.38610E-02	668808.6	4343030.0	767.5	5.00	11.63
11.63	NO	HRDOW						
L0000178		0	0.38610E-02	668830.6	4343033.2	767.3	5.00	11.63
11.63	NO	HRDOW						
L0000179		0	0.38610E-02	668853.8	4343042.5	768.0	5.00	11.63
11.63	NO	HRDOW						
L0000180		0	0.38610E-02	668878.4	4343047.2	769.9	5.00	11.63
11.63	NO	HRDOW						
L0000181		0	0.38610E-02	668902.9	4343051.9	771.4	5.00	11.63
11.63	NO	HRDOW						
L0000182		0	0.38610E-02	668927.3	4343055.7	771.6	5.00	11.63
11.63	NO	HRDOW						
L0000183		0	0.38610E-02	668947.6	4343041.1	773.5	5.00	11.63
11.63	NO	HRDOW						
L0000184		0	0.38610E-02	668964.0	4343022.7	774.4	5.00	11.63
11.63	NO	HRDOW						
L0000185		0	0.38610E-02	668980.7	4343004.7	774.7	5.00	11.63
11.63	NO	HRDOW						
L0000186		0	0.38610E-02	669001.2	4342990.5	774.6	5.00	11.63
11.63	NO	HRDOW						
L0000187		0	0.38610E-02	669021.8	4342976.2	774.5	5.00	11.63
11.63	NO	HRDOW						
L0000188		0	0.38610E-02	669045.1	4342969.5	774.4	5.00	11.63
11.63	NO	HRDOW						
L0000189		0	0.38610E-02	669070.0	4342967.0	774.9	5.00	11.63

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 7

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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

L0000190		0	0.38610E-02	669094.9	4342964.9	776.1	5.00	11.63
11.63	NO	HRDOW						
L0000191		0	0.38610E-02	669119.8	4342963.4	776.5	5.00	11.63
11.63	NO	HRDOW						
L0000192		0	0.38610E-02	669144.8	4342962.0	776.8	5.00	11.63
11.63	NO	HRDOW						
L0000193		0	0.38610E-02	669169.8	4342960.5	777.8	5.00	11.63
11.63	NO	HRDOW						
L0000194		0	0.38610E-02	669194.2	4342955.2	778.8	5.00	11.63
11.63	NO	HRDOW						
L0000195		0	0.38610E-02	669218.6	4342949.8	779.2	5.00	11.63
11.63	NO	HRDOW						
L0000196		0	0.38610E-02	669243.0	4342944.4	779.6	5.00	11.63
11.63	NO	HRDOW						
L0000197		0	0.38610E-02	669267.4	4342938.9	781.0	5.00	11.63
11.63	NO	HRDOW						
L0000198		0	0.38610E-02	669292.1	4342935.5	782.6	5.00	11.63
11.63	NO	HRDOW						
L0000199		0	0.38610E-02	669317.0	4342934.3	783.9	5.00	11.63
11.63	NO	HRDOW						
L0000200		0	0.38610E-02	669332.0	4342947.1	782.9	5.00	11.63
11.63	NO	HRDOW						
L0000201		0	0.38610E-02	669338.9	4342971.1	782.2	5.00	11.63
11.63	NO	HRDOW						
L0000202		0	0.38610E-02	669341.5	4342995.4	782.2	5.00	11.63
11.63	NO	HRDOW						
L0000203		0	0.38610E-02	669336.7	4343019.9	782.0	5.00	11.63
11.63	NO	HRDOW						
L0000204		0	0.38610E-02	669331.9	4343044.4	780.1	5.00	11.63
11.63	NO	HRDOW						
L0000205		0	0.38610E-02	669327.1	4343069.0	776.9	5.00	11.63
11.63	NO	HRDOW						
L0000206		0	0.38610E-02	669322.3	4343093.5	776.0	5.00	11.63
11.63	NO	HRDOW						
L0000207		0	0.38610E-02	669317.5	4343118.0	775.7	5.00	11.63
11.63	NO	HRDOW						
L0000208		0	0.38610E-02	669312.7	4343142.6	775.8	5.00	11.63
11.63	NO	HRDOW						
L0000209		0	0.38610E-02	669307.9	4343167.1	776.3	5.00	11.63
11.63	NO	HRDOW						
L0000210		0	0.38610E-02	669303.1	4343191.6	776.7	5.00	11.63

11.63	NO	HRDOW						
L0000211		0	0.38610E-02	669298.3	4343216.2	776.9	5.00	11.63
11.63	NO	HRDOW						
L0000212		0	0.38610E-02	669293.5	4343240.7	777.4	5.00	11.63
11.63	NO	HRDOW						
L0000213		0	0.38610E-02	669288.7	4343265.2	777.5	5.00	11.63
11.63	NO	HRDOW						
L0000214		0	0.38610E-02	669274.4	4343247.5	776.4	5.00	11.63
11.63	NO	HRDOW						
L0000215		0	0.38610E-02	669257.5	4343231.8	775.6	5.00	11.63
11.63	NO	HRDOW						
L0000216		0	0.38610E-02	669233.1	4343231.3	774.3	5.00	11.63
11.63	NO	HRDOW						
L0000217		0	0.38610E-02	669214.1	4343215.0	770.7	5.00	11.63
11.63	NO	HRDOW						
L0000218		0	0.38610E-02	669194.5	4343221.5	769.0	5.00	11.63
11.63	NO	HRDOW						
L0000219		0	0.38610E-02	669174.6	4343236.7	768.9	5.00	11.63
11.63	NO	HRDOW						
L0000220		0	0.38610E-02	669154.7	4343251.8	767.7	5.00	11.63
11.63	NO	HRDOW						
L0000221		0	0.38610E-02	669134.8	4343266.9	765.1	5.00	11.63
11.63	NO	HRDOW						
L0000222		0	0.38610E-02	669120.1	4343286.3	762.9	5.00	11.63
11.63	NO	HRDOW						
L0000223		0	0.38610E-02	669109.5	4343308.9	762.0	5.00	11.63
11.63	NO	HRDOW						
L0000224		0	0.38610E-02	669097.0	4343327.8	761.3	5.00	11.63
11.63	NO	HRDOW						
L0000225		0	0.38610E-02	669072.5	4343323.2	760.8	5.00	11.63
11.63	NO	HRDOW						
L0000226		0	0.38610E-02	669047.9	4343318.5	760.4	5.00	11.63
11.63	NO	HRDOW						
L0000227		0	0.38610E-02	669023.3	4343313.9	760.0	5.00	11.63
11.63	NO	HRDOW						
L0000228		0	0.38610E-02	668998.8	4343309.2	759.4	5.00	11.63
11.63	NO	HRDOW						
L0000229		0	0.38610E-02	668974.2	4343304.6	759.1	5.00	11.63

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 8

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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

L0000230		0	0.38610E-02	668949.6	4343299.9	758.8	5.00	11.63
11.63	NO	HRDOW						
L0000231		0	0.38610E-02	668925.1	4343295.3	758.6	5.00	11.63
11.63	NO	HRDOW						
L0000232		0	0.38610E-02	668900.5	4343290.6	758.4	5.00	11.63
11.63	NO	HRDOW						
L0000233		0	0.38610E-02	668876.0	4343286.0	758.4	5.00	11.63
11.63	NO	HRDOW						
L0000234		0	0.38610E-02	668851.4	4343281.3	758.2	5.00	11.63
11.63	NO	HRDOW						
L0000235		0	0.38610E-02	668826.8	4343276.7	758.3	5.00	11.63
11.63	NO	HRDOW						
L0000236		0	0.38610E-02	668802.3	4343272.0	758.4	5.00	11.63
11.63	NO	HRDOW						
L0000237		0	0.38610E-02	668777.7	4343267.4	759.4	5.00	11.63
11.63	NO	HRDOW						
L0000238		0	0.38610E-02	668767.3	4343246.9	761.0	5.00	11.63
11.63	NO	HRDOW						
L0000239		0	0.38610E-02	668759.9	4343223.0	761.5	5.00	11.63
11.63	NO	HRDOW						
L0000240		0	0.38610E-02	668752.5	4343199.1	762.2	5.00	11.63
11.63	NO	HRDOW						
L0000241		0	0.38610E-02	668745.0	4343175.2	763.2	5.00	11.63
11.63	NO	HRDOW						
L0000242		0	0.38610E-02	668737.6	4343151.4	764.6	5.00	11.63
11.63	NO	HRDOW						
L0000243		0	0.38610E-02	668730.2	4343127.5	765.6	5.00	11.63
11.63	NO	HRDOW						
L0000244		0	0.38610E-02	668733.5	4343107.8	765.6	5.00	11.63
11.63	NO	HRDOW						
L0000245		0	0.38610E-02	668755.2	4343095.4	763.9	5.00	11.63
11.63	NO	HRDOW						
L0000246		0	0.38610E-02	668776.9	4343083.0	763.4	5.00	11.63
11.63	NO	HRDOW						
L0000247		0	0.38610E-02	668798.7	4343070.6	763.5	5.00	11.63
11.63	NO	HRDOW						
L0000248		0	0.38610E-02	668820.9	4343062.4	764.2	5.00	11.63
11.63	NO	HRDOW						
L0000249		0	0.38610E-02	668845.3	4343068.2	765.4	5.00	11.63
11.63	NO	HRDOW						
L0000250		0	0.38610E-02	668869.6	4343074.0	766.7	5.00	11.63

11.63	NO	HRDOW						
L0000251		0	0.38610E-02	668893.9	4343079.9	767.9	5.00	11.63
11.63	NO	HRDOW						
L0000252		0	0.38610E-02	668918.2	4343085.7	768.3	5.00	11.63
11.63	NO	HRDOW						
L0000253		0	0.38610E-02	668941.2	4343083.6	769.1	5.00	11.63
11.63	NO	HRDOW						
L0000254		0	0.38610E-02	668962.6	4343070.6	770.6	5.00	11.63
11.63	NO	HRDOW						
L0000255		0	0.38610E-02	668984.0	4343057.6	772.1	5.00	11.63
11.63	NO	HRDOW						
L0000256		0	0.38610E-02	669000.9	4343039.3	773.0	5.00	11.63
11.63	NO	HRDOW						
L0000257		0	0.38610E-02	669017.4	4343020.5	773.3	5.00	11.63
11.63	NO	HRDOW						
L0000258		0	0.38610E-02	669036.9	4343007.6	773.4	5.00	11.63
11.63	NO	HRDOW						
L0000259		0	0.38610E-02	669061.8	4343005.2	773.6	5.00	11.63
11.63	NO	HRDOW						
L0000260		0	0.38610E-02	669086.7	4343002.7	773.9	5.00	11.63
11.63	NO	HRDOW						
L0000261		0	0.38610E-02	669111.5	4343000.3	774.1	5.00	11.63
11.63	NO	HRDOW						
L0000262		0	0.38610E-02	669136.4	4342997.8	774.3	5.00	11.63
11.63	NO	HRDOW						
L0000263		0	0.38610E-02	669161.3	4342995.2	775.3	5.00	11.63
11.63	NO	HRDOW						
L0000264		0	0.38610E-02	669185.9	4342990.8	776.5	5.00	11.63
11.63	NO	HRDOW						
L0000265		0	0.38610E-02	669210.5	4342986.4	777.2	5.00	11.63
11.63	NO	HRDOW						
L0000266		0	0.38610E-02	669235.1	4342981.9	777.4	5.00	11.63
11.63	NO	HRDOW						
L0000267		0	0.38610E-02	669259.7	4342977.5	777.6	5.00	11.63
11.63	NO	HRDOW						
L0000268		0	0.38610E-02	669284.3	4342973.1	778.5	5.00	11.63
11.63	NO	HRDOW						
L0000269		0	0.38610E-02	669298.3	4342984.5	777.8	5.00	11.63

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 9

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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

L0000270		0	0.38610E-02	669303.4	4343009.0	774.8	5.00	11.63
11.63	NO	HRDOW						
L0000271		0	0.38610E-02	669299.2	4343033.6	774.3	5.00	11.63
11.63	NO	HRDOW						
L0000272		0	0.38610E-02	669294.6	4343058.2	774.4	5.00	11.63
11.63	NO	HRDOW						
L0000273		0	0.38610E-02	669290.0	4343082.7	774.1	5.00	11.63
11.63	NO	HRDOW						
L0000274		0	0.38610E-02	669285.5	4343107.3	773.8	5.00	11.63
11.63	NO	HRDOW						
L0000275		0	0.38610E-02	669280.9	4343131.9	773.7	5.00	11.63
11.63	NO	HRDOW						
L0000276		0	0.38610E-02	669276.4	4343156.5	774.1	5.00	11.63
11.63	NO	HRDOW						
L0000277		0	0.38610E-02	669271.8	4343181.1	774.3	5.00	11.63
11.63	NO	HRDOW						
L0000278		0	0.38610E-02	669262.1	4343196.2	773.8	5.00	11.63
11.63	NO	HRDOW						
L0000279		0	0.38610E-02	669238.9	4343186.9	771.3	5.00	11.63
11.63	NO	HRDOW						
L0000280		0	0.38610E-02	669215.8	4343177.5	768.6	5.00	11.63
11.63	NO	HRDOW						
L0000281		0	0.38610E-02	669195.0	4343184.5	767.9	5.00	11.63
11.63	NO	HRDOW						
L0000282		0	0.38610E-02	669175.4	4343200.1	767.4	5.00	11.63
11.63	NO	HRDOW						
L0000283		0	0.38610E-02	669155.8	4343215.7	767.0	5.00	11.63
11.63	NO	HRDOW						
L0000284		0	0.38610E-02	669136.3	4343231.2	765.4	5.00	11.63
11.63	NO	HRDOW						
L0000285		0	0.38610E-02	669116.7	4343246.8	764.5	5.00	11.63
11.63	NO	HRDOW						
L0000286		0	0.38610E-02	669100.0	4343264.9	763.6	5.00	11.63
11.63	NO	HRDOW						
L0000287		0	0.38610E-02	669087.6	4343286.6	762.3	5.00	11.63
11.63	NO	HRDOW						
L0000288		0	0.38610E-02	669068.9	4343294.4	761.8	5.00	11.63
11.63	NO	HRDOW						
L0000289		0	0.38610E-02	669044.4	4343289.6	761.7	5.00	11.63
11.63	NO	HRDOW						
L0000290		0	0.38610E-02	669019.8	4343284.8	761.5	5.00	11.63

11.63	NO	HRDOW						
L0000291		0	0.38610E-02	668995.3	4343279.9	761.2	5.00	11.63
11.63	NO	HRDOW						
L0000292		0	0.38610E-02	668970.8	4343275.1	760.9	5.00	11.63
11.63	NO	HRDOW						
L0000293		0	0.38610E-02	668946.2	4343270.3	760.7	5.00	11.63
11.63	NO	HRDOW						
L0000294		0	0.38610E-02	668921.7	4343265.5	760.4	5.00	11.63
11.63	NO	HRDOW						
L0000295		0	0.38610E-02	668897.2	4343260.6	760.1	5.00	11.63
11.63	NO	HRDOW						
L0000296		0	0.38610E-02	668872.7	4343255.8	759.9	5.00	11.63
11.63	NO	HRDOW						
L0000297		0	0.38610E-02	668848.1	4343251.0	759.7	5.00	11.63
11.63	NO	HRDOW						
L0000298		0	0.38610E-02	668823.6	4343246.2	759.4	5.00	11.63
11.63	NO	HRDOW						
L0000299		0	0.38610E-02	668801.3	4343238.7	759.8	5.00	11.63
11.63	NO	HRDOW						
L0000300		0	0.38610E-02	668792.2	4343215.4	760.8	5.00	11.63
11.63	NO	HRDOW						
L0000301		0	0.38610E-02	668783.0	4343192.1	761.4	5.00	11.63
11.63	NO	HRDOW						
L0000302		0	0.38610E-02	668773.9	4343168.9	762.3	5.00	11.63
11.63	NO	HRDOW						
L0000303		0	0.38610E-02	668764.8	4343145.6	762.9	5.00	11.63
11.63	NO	HRDOW						
L0000304		0	0.38610E-02	668764.2	4343125.2	762.8	5.00	11.63
11.63	NO	HRDOW						
L0000305		0	0.38610E-02	668785.6	4343112.3	762.0	5.00	11.63
11.63	NO	HRDOW						
L0000306		0	0.38610E-02	668807.0	4343099.3	762.0	5.00	11.63
11.63	NO	HRDOW						
L0000307		0	0.38610E-02	668829.4	4343094.1	762.5	5.00	11.63
11.63	NO	HRDOW						
L0000308		0	0.38610E-02	668853.4	4343101.0	763.4	5.00	11.63
11.63	NO	HRDOW						
L0000309		0	0.38610E-02	668877.4	4343108.0	764.7	5.00	11.63

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 10

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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

L0000310		0	0.38610E-02	668901.4	4343115.0	765.9	5.00	11.63
11.63	NO	HRDOW						
L0000311		0	0.38610E-02	668925.4	4343121.9	766.9	5.00	11.63
11.63	NO	HRDOW						
L0000312		0	0.38610E-02	668948.6	4343124.7	768.3	5.00	11.63
11.63	NO	HRDOW						
L0000313		0	0.38610E-02	668968.1	4343109.1	769.4	5.00	11.63
11.63	NO	HRDOW						
L0000314		0	0.38610E-02	668987.5	4343093.4	770.4	5.00	11.63
11.63	NO	HRDOW						
L0000315		0	0.38610E-02	669007.0	4343077.7	771.4	5.00	11.63
11.63	NO	HRDOW						
L0000316		0	0.38610E-02	669026.5	4343062.0	772.0	5.00	11.63
11.63	NO	HRDOW						
L0000317		0	0.38610E-02	669045.9	4343046.3	772.4	5.00	11.63
11.63	NO	HRDOW						
L0000318		0	0.38610E-02	669068.6	4343037.9	772.6	5.00	11.63
11.63	NO	HRDOW						
L0000319		0	0.38610E-02	669093.3	4343034.5	772.8	5.00	11.63
11.63	NO	HRDOW						
L0000320		0	0.38610E-02	669118.1	4343031.0	773.3	5.00	11.63
11.63	NO	HRDOW						
L0000321		0	0.38610E-02	669142.8	4343027.5	773.7	5.00	11.63
11.63	NO	HRDOW						
L0000322		0	0.38610E-02	669167.6	4343024.0	774.6	5.00	11.63
11.63	NO	HRDOW						
L0000323		0	0.38610E-02	669192.4	4343020.5	775.3	5.00	11.63
11.63	NO	HRDOW						
L0000324		0	0.38610E-02	669217.1	4343017.1	776.0	5.00	11.63
11.63	NO	HRDOW						
L0000325		0	0.38610E-02	669241.9	4343013.6	775.8	5.00	11.63
11.63	NO	HRDOW						
L0000326		0	0.38610E-02	669260.9	4343015.9	774.8	5.00	11.63
11.63	NO	HRDOW						
L0000327		0	0.38610E-02	669257.9	4343040.7	774.3	5.00	11.63
11.63	NO	HRDOW						
L0000328		0	0.38610E-02	669254.9	4343065.5	773.3	5.00	11.63
11.63	NO	HRDOW						
L0000329		0	0.38610E-02	669251.8	4343090.4	772.3	5.00	11.63
11.63	NO	HRDOW						
L0000330		0	0.38610E-02	669248.8	4343115.2	771.3	5.00	11.63

11.63	NO	HRDOW						
L0000331		0	0.38610E-02	669245.8	4343140.0	770.7	5.00	11.63
11.63	NO	HRDOW						
L0000332		0	0.38610E-02	669233.6	4343153.7	769.8	5.00	11.63
11.63	NO	HRDOW						
L0000333		0	0.38610E-02	669208.7	4343152.0	768.3	5.00	11.63
11.63	NO	HRDOW						
L0000334		0	0.38610E-02	669183.7	4343150.2	768.4	5.00	11.63
11.63	NO	HRDOW						
L0000335		0	0.38610E-02	669163.3	4343162.0	768.0	5.00	11.63
11.63	NO	HRDOW						
L0000336		0	0.38610E-02	669144.4	4343178.4	767.3	5.00	11.63
11.63	NO	HRDOW						
L0000337		0	0.38610E-02	669125.5	4343194.7	766.5	5.00	11.63
11.63	NO	HRDOW						
L0000338		0	0.38610E-02	669106.6	4343211.1	765.9	5.00	11.63
11.63	NO	HRDOW						
L0000339		0	0.38610E-02	669087.7	4343227.5	765.3	5.00	11.63
11.63	NO	HRDOW						
L0000340		0	0.38610E-02	669070.6	4343245.3	765.8	5.00	11.63
11.63	NO	HRDOW						
L0000341		0	0.38610E-02	669058.6	4343266.4	763.6	5.00	11.63
11.63	NO	HRDOW						
L0000342		0	0.38610E-02	669034.1	4343261.2	764.7	5.00	11.63
11.63	NO	HRDOW						
L0000343		0	0.38610E-02	669009.7	4343256.0	764.8	5.00	11.63
11.63	NO	HRDOW						
L0000344		0	0.38610E-02	668985.2	4343250.8	763.8	5.00	11.63
11.63	NO	HRDOW						
L0000345		0	0.38610E-02	668960.7	4343245.6	762.6	5.00	11.63
11.63	NO	HRDOW						
L0000346		0	0.38610E-02	668936.3	4343240.4	762.1	5.00	11.63
11.63	NO	HRDOW						
L0000347		0	0.38610E-02	668911.8	4343235.2	761.8	5.00	11.63
11.63	NO	HRDOW						
L0000348		0	0.38610E-02	668887.4	4343230.0	761.6	5.00	11.63
11.63	NO	HRDOW						
L0000349		0	0.38610E-02	668862.9	4343224.8	761.3	5.00	11.63

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 11

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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

L0000350		0	0.38610E-02	668838.5	4343219.6	760.5	5.00	11.63
11.63	NO	HRDOW						
L0000351		0	0.38610E-02	668824.9	4343200.3	760.6	5.00	11.63
11.63	NO	HRDOW						
L0000352		0	0.38610E-02	668813.8	4343177.9	760.9	5.00	11.63
11.63	NO	HRDOW						
L0000353		0	0.38610E-02	668802.6	4343155.6	761.4	5.00	11.63
11.63	NO	HRDOW						
L0000354		0	0.38610E-02	668812.2	4343137.4	761.2	5.00	11.63
11.63	NO	HRDOW						
L0000355		0	0.38610E-02	668831.2	4343121.1	761.8	5.00	11.63
11.63	NO	HRDOW						
L0000356		0	0.38610E-02	668854.9	4343127.6	762.4	5.00	11.63
11.63	NO	HRDOW						
L0000357		0	0.38610E-02	668878.8	4343134.9	763.3	5.00	11.63
11.63	NO	HRDOW						
L0000358		0	0.38610E-02	668902.7	4343142.2	765.1	5.00	11.63
11.63	NO	HRDOW						
L0000359		0	0.38610E-02	668926.7	4343149.5	766.8	5.00	11.63
11.63	NO	HRDOW						
L0000360		0	0.38610E-02	668950.6	4343156.7	768.6	5.00	11.63
11.63	NO	HRDOW						
L0000361		0	0.38610E-02	668972.9	4343155.9	769.5	5.00	11.63
11.63	NO	HRDOW						
L0000362		0	0.38610E-02	668992.3	4343140.2	770.2	5.00	11.63
11.63	NO	HRDOW						
L0000363		0	0.38610E-02	669011.7	4343124.4	770.9	5.00	11.63
11.63	NO	HRDOW						
L0000364		0	0.38610E-02	669031.2	4343108.7	770.8	5.00	11.63
11.63	NO	HRDOW						
L0000365		0	0.38610E-02	669050.6	4343092.9	770.7	5.00	11.63
11.63	NO	HRDOW						
L0000366		0	0.38610E-02	669070.0	4343077.2	771.0	5.00	11.63
11.63	NO	HRDOW						
L0000367		0	0.38610E-02	669094.3	4343072.0	771.3	5.00	11.63
11.63	NO	HRDOW						
L0000368		0	0.38610E-02	669118.9	4343067.6	771.7	5.00	11.63
11.63	NO	HRDOW						
L0000369		0	0.38610E-02	669143.5	4343063.1	772.3	5.00	11.63
11.63	NO	HRDOW						
L0000370		0	0.38610E-02	669168.1	4343058.7	772.9	5.00	11.63

11.63	NO	HRDOW						
L0000371		0	0.38610E-02	669192.7	4343054.2	773.6	5.00	11.63
11.63	NO	HRDOW						
L0000372		0	0.38610E-02	669217.3	4343049.8	774.2	5.00	11.63
11.63	NO	HRDOW						
L0000373		0	0.38610E-02	669218.8	4343072.1	772.9	5.00	11.63
11.63	NO	HRDOW						
L0000374		0	0.38610E-02	669217.9	4343097.1	771.0	5.00	11.63
11.63	NO	HRDOW						
L0000375		0	0.38610E-02	669215.7	4343120.6	769.4	5.00	11.63
11.63	NO	HRDOW						
L0000376		0	0.38610E-02	669190.7	4343120.6	769.3	5.00	11.63
11.63	NO	HRDOW						
L0000377		0	0.38610E-02	669165.7	4343120.6	769.6	5.00	11.63
11.63	NO	HRDOW						
L0000378		0	0.38610E-02	669143.6	4343127.6	769.1	5.00	11.63
11.63	NO	HRDOW						
L0000379		0	0.38610E-02	669126.1	4343145.4	768.2	5.00	11.63
11.63	NO	HRDOW						
L0000380		0	0.38610E-02	669108.5	4343163.2	767.4	5.00	11.63
11.63	NO	HRDOW						
L0000381		0	0.38610E-02	669090.9	4343181.0	767.5	5.00	11.63
11.63	NO	HRDOW						
L0000382		0	0.38610E-02	669073.3	4343198.7	768.1	5.00	11.63
11.63	NO	HRDOW						
L0000383		0	0.38610E-02	669055.8	4343216.5	768.9	5.00	11.63
11.63	NO	HRDOW						
L0000384		0	0.38610E-02	669034.7	4343223.7	769.3	5.00	11.63
11.63	NO	HRDOW						
L0000385		0	0.38610E-02	669010.1	4343219.6	769.4	5.00	11.63
11.63	NO	HRDOW						
L0000386		0	0.38610E-02	668985.4	4343215.6	769.2	5.00	11.63
11.63	NO	HRDOW						
L0000387		0	0.38610E-02	668960.8	4343211.5	768.8	5.00	11.63
11.63	NO	HRDOW						
L0000388		0	0.38610E-02	668936.1	4343207.4	765.9	5.00	11.63
11.63	NO	HRDOW						
L0000389		0	0.38610E-02	668911.4	4343203.3	763.8	5.00	11.63

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 12

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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

L0000390		0	0.38610E-02	668886.8	4343199.2	763.1	5.00	11.63
11.63	NO	HRDOW						
L0000391		0	0.38610E-02	668862.1	4343195.1	762.3	5.00	11.63
11.63	NO	HRDOW						
L0000392		0	0.38610E-02	668851.4	4343175.7	761.7	5.00	11.63
11.63	NO	HRDOW						
L0000393		0	0.38610E-02	668848.8	4343155.1	761.6	5.00	11.63
11.63	NO	HRDOW						
L0000394		0	0.38610E-02	668873.2	4343160.7	762.7	5.00	11.63
11.63	NO	HRDOW						
L0000395		0	0.38610E-02	668897.6	4343166.2	764.6	5.00	11.63
11.63	NO	HRDOW						
L0000396		0	0.38610E-02	668921.9	4343171.8	766.1	5.00	11.63
11.63	NO	HRDOW						
L0000397		0	0.38610E-02	668946.3	4343177.3	768.3	5.00	11.63
11.63	NO	HRDOW						
L0000398		0	0.38610E-02	668970.7	4343182.9	769.4	5.00	11.63
11.63	NO	HRDOW						
L0000399		0	0.38610E-02	668993.9	4343183.6	770.0	5.00	11.63
11.63	NO	HRDOW						
L0000400		0	0.38610E-02	669013.4	4343167.9	770.5	5.00	11.63
11.63	NO	HRDOW						
L0000401		0	0.38610E-02	669032.9	4343152.3	770.3	5.00	11.63
11.63	NO	HRDOW						
L0000402		0	0.38610E-02	669052.4	4343136.6	769.7	5.00	11.63
11.63	NO	HRDOW						
L0000403		0	0.38610E-02	669071.9	4343121.0	769.0	5.00	11.63
11.63	NO	HRDOW						
L0000404		0	0.38610E-02	669094.5	4343111.2	769.1	5.00	11.63
11.63	NO	HRDOW						
L0000405		0	0.38610E-02	669118.5	4343104.1	769.8	5.00	11.63
11.63	NO	HRDOW						
L0000406		0	0.38610E-02	669142.5	4343097.1	770.4	5.00	11.63
11.63	NO	HRDOW						
L0000407		0	0.38610E-02	669166.4	4343090.1	771.0	5.00	11.63
11.63	NO	HRDOW						
L0000408		0	0.15385E-01	671272.1	4341737.0	834.4	5.00	11.63
11.63	NO	HRDOW						
L0000409		0	0.15385E-01	671292.6	4341751.3	834.8	5.00	11.63
11.63	NO	HRDOW						
L0000410		0	0.15385E-01	671313.1	4341765.7	835.1	5.00	11.63

11.63	NO	HRDOW						
L0000411		0	0.15385E-01	671333.5	4341780.0	835.9	5.00	11.63
11.63	NO	HRDOW						
L0000412		0	0.15385E-01	671354.0	4341794.3	837.4	5.00	11.63
11.63	NO	HRDOW						
L0000413		0	0.15385E-01	671374.5	4341808.7	839.2	5.00	11.63
11.63	NO	HRDOW						
L0000414		0	0.15385E-01	671392.0	4341800.1	840.4	5.00	11.63
11.63	NO	HRDOW						
L0000415		0	0.15385E-01	671408.2	4341781.1	840.8	5.00	11.63
11.63	NO	HRDOW						
L0000416		0	0.15385E-01	671424.3	4341762.0	841.0	5.00	11.63
11.63	NO	HRDOW						
L0000417		0	0.15385E-01	671440.5	4341742.9	842.1	5.00	11.63
11.63	NO	HRDOW						
L0000418		0	0.15385E-01	671456.6	4341723.8	843.6	5.00	11.63
11.63	NO	HRDOW						
L0000419		0	0.15385E-01	671472.8	4341704.8	844.2	5.00	11.63
11.63	NO	HRDOW						
L0000420		0	0.15385E-01	671489.0	4341685.7	844.8	5.00	11.63
11.63	NO	HRDOW						
L0000421		0	0.15385E-01	671485.9	4341667.8	844.4	5.00	11.63
11.63	NO	HRDOW						
L0000422		0	0.15385E-01	671467.5	4341650.8	843.0	5.00	11.63
11.63	NO	HRDOW						
L0000423		0	0.15385E-01	671467.9	4341634.2	843.1	5.00	11.63
11.63	NO	HRDOW						
L0000424		0	0.15385E-01	671486.7	4341617.7	843.8	5.00	11.63
11.63	NO	HRDOW						
L0000425		0	0.15385E-01	671505.6	4341601.3	843.4	5.00	11.63
11.63	NO	HRDOW						
L0000426		0	0.15385E-01	671500.2	4341586.6	843.1	5.00	11.63
11.63	NO	HRDOW						
L0000427		0	0.15385E-01	671479.2	4341573.1	842.6	5.00	11.63
11.63	NO	HRDOW						
L0000428		0	0.15385E-01	671458.2	4341559.7	842.1	5.00	11.63
11.63	NO	HRDOW						
L0000429		0	0.15385E-01	671437.1	4341546.2	842.0	5.00	11.63

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 13

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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

L0000430		0	0.15385E-01	671416.1	4341532.7	848.8	5.00	11.63
11.63	NO	HRDOW						
L0000431		0	0.15385E-01	671398.7	4341543.6	849.3	5.00	11.63
11.63	NO	HRDOW						
L0000432		0	0.15385E-01	671382.5	4341562.7	849.6	5.00	11.63
11.63	NO	HRDOW						
L0000433		0	0.15385E-01	671366.3	4341581.7	849.8	5.00	11.63
11.63	NO	HRDOW						
L0000434		0	0.15385E-01	671350.2	4341600.8	850.0	5.00	11.63
11.63	NO	HRDOW						
L0000435		0	0.15385E-01	671334.0	4341619.9	850.0	5.00	11.63
11.63	NO	HRDOW						
L0000436		0	0.15385E-01	671317.9	4341639.0	849.6	5.00	11.63
11.63	NO	HRDOW						
L0000437		0	0.15385E-01	671301.7	4341658.0	846.8	5.00	11.63
11.63	NO	HRDOW						
L0000438		0	0.15385E-01	671285.6	4341677.1	842.6	5.00	11.63
11.63	NO	HRDOW						
L0000439		0	0.15385E-01	671269.4	4341696.2	837.3	5.00	11.63
11.63	NO	HRDOW						
L0000440		0	0.15385E-01	671286.3	4341711.0	835.9	5.00	11.63
11.63	NO	HRDOW						
L0000441		0	0.15385E-01	671306.8	4341725.3	836.0	5.00	11.63
11.63	NO	HRDOW						
L0000442		0	0.15385E-01	671327.2	4341739.7	836.3	5.00	11.63
11.63	NO	HRDOW						
L0000443		0	0.15385E-01	671347.7	4341754.0	836.9	5.00	11.63
11.63	NO	HRDOW						
L0000444		0	0.15385E-01	671367.6	4341762.1	838.0	5.00	11.63
11.63	NO	HRDOW						
L0000445		0	0.15385E-01	671385.4	4341744.5	839.0	5.00	11.63
11.63	NO	HRDOW						
L0000446		0	0.15385E-01	671403.2	4341726.9	840.3	5.00	11.63
11.63	NO	HRDOW						
L0000447		0	0.15385E-01	671421.0	4341709.3	841.2	5.00	11.63
11.63	NO	HRDOW						
L0000448		0	0.15385E-01	671438.7	4341691.7	841.8	5.00	11.63
11.63	NO	HRDOW						
L0000449		0	0.15385E-01	671450.3	4341674.3	842.5	5.00	11.63
11.63	NO	HRDOW						
L0000450		0	0.15385E-01	671431.8	4341657.4	842.0	5.00	11.63

11.63	NO	HRDOW						
L0000451		0	0.15385E-01	671423.2	4341639.7	841.5	5.00	11.63
11.63	NO	HRDOW						
L0000452		0	0.15385E-01	671438.5	4341620.0	842.1	5.00	11.63
11.63	NO	HRDOW						
L0000453		0	0.15385E-01	671453.8	4341600.2	843.0	5.00	11.63
11.63	NO	HRDOW						
L0000454		0	0.15385E-01	671448.0	4341584.6	842.8	5.00	11.63
11.63	NO	HRDOW						
L0000455		0	0.15385E-01	671426.5	4341571.9	842.1	5.00	11.63
11.63	NO	HRDOW						
L0000456		0	0.15385E-01	671407.4	4341573.8	842.3	5.00	11.63
11.63	NO	HRDOW						
L0000457		0	0.15385E-01	671391.4	4341592.9	842.3	5.00	11.63
11.63	NO	HRDOW						
L0000458		0	0.15385E-01	671375.3	4341612.1	841.7	5.00	11.63
11.63	NO	HRDOW						
L0000459		0	0.15385E-01	671359.2	4341631.2	841.5	5.00	11.63
11.63	NO	HRDOW						
L0000460		0	0.15385E-01	671343.2	4341650.4	841.3	5.00	11.63
11.63	NO	HRDOW						
L0000461		0	0.15385E-01	671327.1	4341669.5	841.5	5.00	11.63
11.63	NO	HRDOW						
L0000462		0	0.15385E-01	671311.0	4341688.7	840.2	5.00	11.63
11.63	NO	HRDOW						
L0000463		0	0.15385E-01	671321.8	4341703.7	837.8	5.00	11.63
11.63	NO	HRDOW						
L0000464		0	0.15385E-01	671342.9	4341717.0	837.5	5.00	11.63
11.63	NO	HRDOW						
L0000465		0	0.15385E-01	671364.1	4341730.3	838.1	5.00	11.63
11.63	NO	HRDOW						
L0000466		0	0.15385E-01	671380.4	4341716.7	839.1	5.00	11.63
11.63	NO	HRDOW						
L0000467		0	0.15385E-01	671395.6	4341696.8	840.1	5.00	11.63
11.63	NO	HRDOW						
L0000468		0	0.15385E-01	671394.5	4341679.4	840.6	5.00	11.63
11.63	NO	HRDOW						
L0000469		0	0.15385E-01	671375.5	4341664.5	839.4	5.00	11.63

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 14

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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

L0000470		0	0.15385E-01	671389.1	4341643.5	840.4	5.00	11.63
11.63	NO	HRDOW						
L0000471		0	0.15385E-01	671402.7	4341622.5	841.5	5.00	11.63
11.63	NO	HRDOW						
L0000472		0	0.15385E-01	671416.3	4341601.5	842.2	5.00	11.63
11.63	NO	HRDOW						
L0000473		0	0.12195E-01	671016.8	4342175.0	845.8	5.00	11.63
11.63	NO	HRDOW						
L0000474		0	0.12195E-01	670992.4	4342180.4	844.7	5.00	11.63
11.63	NO	HRDOW						
L0000475		0	0.12195E-01	670968.0	4342185.8	843.2	5.00	11.63
11.63	NO	HRDOW						
L0000476		0	0.12195E-01	670943.5	4342191.1	840.5	5.00	11.63
11.63	NO	HRDOW						
L0000477		0	0.12195E-01	670919.1	4342196.5	839.1	5.00	11.63
11.63	NO	HRDOW						
L0000478		0	0.12195E-01	670894.7	4342201.9	835.4	5.00	11.63
11.63	NO	HRDOW						
L0000479		0	0.12195E-01	670870.3	4342207.3	834.0	5.00	11.63
11.63	NO	HRDOW						
L0000480		0	0.12195E-01	670845.9	4342212.7	830.7	5.00	11.63
11.63	NO	HRDOW						
L0000481		0	0.12195E-01	670821.5	4342218.1	828.0	5.00	11.63
11.63	NO	HRDOW						
L0000482		0	0.12195E-01	670797.2	4342213.5	826.2	5.00	11.63
11.63	NO	HRDOW						
L0000483		0	0.12195E-01	670772.9	4342207.6	825.9	5.00	11.63
11.63	NO	HRDOW						
L0000484		0	0.12195E-01	670748.6	4342201.6	826.5	5.00	11.63
11.63	NO	HRDOW						
L0000485		0	0.12195E-01	670724.3	4342195.7	828.0	5.00	11.63
11.63	NO	HRDOW						
L0000486		0	0.12195E-01	670700.1	4342189.7	828.5	5.00	11.63
11.63	NO	HRDOW						
L0000487		0	0.12195E-01	670675.8	4342183.8	823.2	5.00	11.63
11.63	NO	HRDOW						
L0000488		0	0.12195E-01	670652.1	4342180.3	819.1	5.00	11.63
11.63	NO	HRDOW						
L0000489		0	0.12195E-01	670633.1	4342196.6	819.4	5.00	11.63
11.63	NO	HRDOW						
L0000490		0	0.12195E-01	670614.1	4342212.9	819.4	5.00	11.63

11.63	NO	HRDOW						
L0000491		0	0.12195E-01	670595.2	4342229.2	816.5	5.00	11.63
11.63	NO	HRDOW						
L0000492		0	0.12195E-01	670576.2	4342245.4	816.3	5.00	11.63
11.63	NO	HRDOW						
L0000493		0	0.12195E-01	670557.2	4342261.7	816.9	5.00	11.63
11.63	NO	HRDOW						
L0000494		0	0.12195E-01	670537.3	4342276.7	816.3	5.00	11.63
11.63	NO	HRDOW						
L0000495		0	0.12195E-01	670515.9	4342289.7	814.8	5.00	11.63
11.63	NO	HRDOW						
L0000496		0	0.12195E-01	670494.6	4342302.7	813.5	5.00	11.63
11.63	NO	HRDOW						
L0000497		0	0.12195E-01	670480.9	4342322.9	813.7	5.00	11.63
11.63	NO	HRDOW						
L0000498		0	0.12195E-01	670469.1	4342345.0	814.3	5.00	11.63
11.63	NO	HRDOW						
L0000499		0	0.12195E-01	670457.4	4342367.1	814.9	5.00	11.63
11.63	NO	HRDOW						
L0000500		0	0.12195E-01	670445.7	4342389.1	815.9	5.00	11.63
11.63	NO	HRDOW						
L0000501		0	0.12195E-01	670431.0	4342408.5	816.9	5.00	11.63
11.63	NO	HRDOW						
L0000502		0	0.12195E-01	670409.7	4342421.5	817.4	5.00	11.63
11.63	NO	HRDOW						
L0000503		0	0.12195E-01	670388.3	4342434.5	817.1	5.00	11.63
11.63	NO	HRDOW						
L0000504		0	0.12195E-01	670367.0	4342447.5	816.5	5.00	11.63
11.63	NO	HRDOW						
L0000505		0	0.12195E-01	670345.6	4342460.5	815.3	5.00	11.63
11.63	NO	HRDOW						
L0000506		0	0.12195E-01	670324.3	4342473.5	812.4	5.00	11.63
11.63	NO	HRDOW						
L0000507		0	0.12195E-01	670302.9	4342486.5	811.3	5.00	11.63
11.63	NO	HRDOW						
L0000508		0	0.12195E-01	670280.2	4342496.6	811.3	5.00	11.63
11.63	NO	HRDOW						
L0000509		0	0.12195E-01	670256.6	4342505.0	812.5	5.00	11.63

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 15

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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

L0000510		0	0.12195E-01	670233.1	4342513.4	813.6	5.00	11.63
11.63	NO	HRDOW						
L0000511		0	0.12195E-01	670209.5	4342521.8	811.5	5.00	11.63
11.63	NO	HRDOW						
L0000512		0	0.12195E-01	670186.0	4342530.2	809.7	5.00	11.63
11.63	NO	HRDOW						
L0000513		0	0.12195E-01	670162.6	4342538.9	808.5	5.00	11.63
11.63	NO	HRDOW						
L0000514		0	0.12195E-01	670140.4	4342550.5	807.8	5.00	11.63
11.63	NO	HRDOW						
L0000515		0	0.12195E-01	670118.2	4342562.0	804.4	5.00	11.63
11.63	NO	HRDOW						
L0000516		0	0.12195E-01	670096.1	4342573.5	803.9	5.00	11.63
11.63	NO	HRDOW						
L0000517		0	0.12195E-01	670073.9	4342585.1	803.6	5.00	11.63
11.63	NO	HRDOW						
L0000518		0	0.12195E-01	670051.7	4342596.6	803.4	5.00	11.63
11.63	NO	HRDOW						
L0000519		0	0.12195E-01	670029.5	4342608.2	803.9	5.00	11.63
11.63	NO	HRDOW						
L0000520		0	0.12195E-01	670007.0	4342618.5	803.3	5.00	11.63
11.63	NO	HRDOW						
L0000521		0	0.12195E-01	669982.1	4342620.6	799.7	5.00	11.63
11.63	NO	HRDOW						
L0000522		0	0.12195E-01	669957.7	4342617.0	799.4	5.00	11.63
11.63	NO	HRDOW						
L0000523		0	0.12195E-01	669933.7	4342610.2	797.3	5.00	11.63
11.63	NO	HRDOW						
L0000524		0	0.12195E-01	669909.6	4342603.4	793.6	5.00	11.63
11.63	NO	HRDOW						
L0000525		0	0.12195E-01	669885.5	4342596.6	793.6	5.00	11.63
11.63	NO	HRDOW						
L0000526		0	0.12195E-01	669861.5	4342589.8	794.3	5.00	11.63
11.63	NO	HRDOW						
L0000527		0	0.12195E-01	669837.4	4342583.0	795.2	5.00	11.63
11.63	NO	HRDOW						
L0000528		0	0.12195E-01	669813.4	4342576.2	795.5	5.00	11.63
11.63	NO	HRDOW						
L0000529		0	0.12195E-01	669788.6	4342573.7	797.1	5.00	11.63
11.63	NO	HRDOW						
L0000530		0	0.12195E-01	669763.6	4342572.3	797.5	5.00	11.63

11.63	NO	HRDOW						
L0000531		0	0.12195E-01	669738.7	4342570.9	795.0	5.00	11.63
11.63	NO	HRDOW						
L0000532		0	0.12195E-01	669713.7	4342569.4	792.3	5.00	11.63
11.63	NO	HRDOW						
L0000533		0	0.12195E-01	669689.3	4342572.1	791.3	5.00	11.63
11.63	NO	HRDOW						
L0000534		0	0.12195E-01	669665.4	4342579.5	791.3	5.00	11.63
11.63	NO	HRDOW						
L0000535		0	0.12195E-01	669641.5	4342586.8	790.9	5.00	11.63
11.63	NO	HRDOW						
L0000536		0	0.12195E-01	669617.9	4342594.9	786.9	5.00	11.63
11.63	NO	HRDOW						
L0000537		0	0.12195E-01	669597.3	4342609.1	786.9	5.00	11.63
11.63	NO	HRDOW						
L0000538		0	0.12195E-01	669576.8	4342623.3	786.7	5.00	11.63
11.63	NO	HRDOW						
L0000539		0	0.12195E-01	669556.2	4342637.6	786.4	5.00	11.63
11.63	NO	HRDOW						
L0000540		0	0.12195E-01	669536.3	4342652.5	786.1	5.00	11.63
11.63	NO	HRDOW						
L0000541		0	0.12195E-01	669519.1	4342670.6	785.7	5.00	11.63
11.63	NO	HRDOW						
L0000542		0	0.12195E-01	669501.9	4342688.7	782.9	5.00	11.63
11.63	NO	HRDOW						
L0000543		0	0.12195E-01	669484.6	4342706.9	780.0	5.00	11.63
11.63	NO	HRDOW						
L0000544		0	0.12195E-01	669474.5	4342729.3	779.9	5.00	11.63
11.63	NO	HRDOW						
L0000545		0	0.12195E-01	669466.6	4342753.0	780.6	5.00	11.63
11.63	NO	HRDOW						
L0000546		0	0.12195E-01	669458.7	4342776.7	783.2	5.00	11.63
11.63	NO	HRDOW						
L0000547		0	0.12195E-01	669450.8	4342800.4	785.1	5.00	11.63
11.63	NO	HRDOW						
L0000548		0	0.12195E-01	669441.9	4342823.2	786.0	5.00	11.63
11.63	NO	HRDOW						
L0000549		0	0.12195E-01	669418.6	4342832.2	785.9	5.00	11.63

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 16

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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

L0000550		0	0.12195E-01	669400.2	4342846.0	785.9	5.00	11.63
11.63	NO	HRDOW						
L0000551		0	0.12195E-01	669391.6	4342869.5	785.6	5.00	11.63
11.63	NO	HRDOW						
L0000552		0	0.12195E-01	669382.9	4342893.0	785.4	5.00	11.63
11.63	NO	HRDOW						
L0000553		0	0.12195E-01	669374.3	4342916.4	785.0	5.00	11.63
11.63	NO	HRDOW						
L0000554		0	0.12195E-01	669365.7	4342939.9	784.3	5.00	11.63
11.63	NO	HRDOW						
L0000674		0	0.37037E-01	671180.0	4342137.7	840.6	5.00	11.63
11.63	NO	HRDOW						
L0000675		0	0.37037E-01	671196.0	4342118.5	840.2	5.00	11.63
11.63	NO	HRDOW						
L0000676		0	0.37037E-01	671214.7	4342102.9	840.7	5.00	11.63
11.63	NO	HRDOW						
L0000677		0	0.37037E-01	671237.8	4342093.4	841.6	5.00	11.63
11.63	NO	HRDOW						
L0000678		0	0.37037E-01	671260.9	4342083.8	844.1	5.00	11.63
11.63	NO	HRDOW						
L0000679		0	0.37037E-01	671276.8	4342065.1	844.5	5.00	11.63
11.63	NO	HRDOW						
L0000680		0	0.37037E-01	671291.5	4342044.9	845.0	5.00	11.63
11.63	NO	HRDOW						
L0000681		0	0.37037E-01	671306.3	4342024.7	846.7	5.00	11.63
11.63	NO	HRDOW						
L0000682		0	0.37037E-01	671320.1	4342003.8	846.0	5.00	11.63
11.63	NO	HRDOW						
L0000683		0	0.37037E-01	671333.9	4341983.0	845.7	5.00	11.63
11.63	NO	HRDOW						
L0000684		0	0.37037E-01	671351.1	4341965.6	845.2	5.00	11.63
11.63	NO	HRDOW						
L0000685		0	0.37037E-01	671371.7	4341951.4	846.8	5.00	11.63
11.63	NO	HRDOW						
L0000686		0	0.37037E-01	671388.8	4341934.0	848.0	5.00	11.63
11.63	NO	HRDOW						
L0000687		0	0.37037E-01	671401.7	4341912.5	847.8	5.00	11.63
11.63	NO	HRDOW						
L0000688		0	0.37037E-01	671414.2	4341890.9	848.0	5.00	11.63
11.63	NO	HRDOW						
L0000689		0	0.37037E-01	671425.8	4341868.7	848.1	5.00	11.63

11.63	NO	HRDOW						
L0000690		0	0.37037E-01	671437.4	4341846.6	848.4	5.00	11.63
11.63	NO	HRDOW						
L0000691		0	0.37037E-01	671449.1	4341824.5	848.3	5.00	11.63
11.63	NO	HRDOW						
L0000692		0	0.37037E-01	671461.8	4341803.0	847.6	5.00	11.63
11.63	NO	HRDOW						
L0000693		0	0.37037E-01	671474.8	4341781.6	847.2	5.00	11.63
11.63	NO	HRDOW						
L0000694		0	0.37037E-01	671487.9	4341760.3	847.1	5.00	11.63
11.63	NO	HRDOW						
L0000695		0	0.37037E-01	671500.9	4341739.0	847.0	5.00	11.63
11.63	NO	HRDOW						
L0000696		0	0.37037E-01	671513.9	4341717.6	847.1	5.00	11.63
11.63	NO	HRDOW						
L0000697		0	0.37037E-01	671525.4	4341695.4	846.4	5.00	11.63
11.63	NO	HRDOW						
L0000698		0	0.37037E-01	671536.9	4341673.2	845.6	5.00	11.63
11.63	NO	HRDOW						
L0000699		0	0.37037E-01	671532.4	4341649.9	844.0	5.00	11.63
11.63	NO	HRDOW						
L0000700		0	0.37037E-01	671509.4	4341643.0	844.6	5.00	11.63
11.63	NO	HRDOW						
L0001020		0	0.16949E-01	671102.0	4342102.0	840.1	5.00	11.63
11.63	NO	HRDOW						
L0001021		0	0.16949E-01	671113.9	4342124.0	841.1	5.00	11.63
11.63	NO	HRDOW						
L0001022		0	0.16949E-01	671161.9	4342076.3	836.3	5.00	11.63
11.63	NO	HRDOW						
L0001023		0	0.16949E-01	671186.2	4342070.2	837.8	5.00	11.63
11.63	NO	HRDOW						
L0001024		0	0.16949E-01	671210.4	4342064.1	838.9	5.00	11.63
11.63	NO	HRDOW						
L0001025		0	0.16949E-01	671234.7	4342058.1	840.0	5.00	11.63
11.63	NO	HRDOW						
L0001026		0	0.16949E-01	671215.3	4342045.8	838.2	5.00	11.63
11.63	NO	HRDOW						
L0001027		0	0.16949E-01	671223.5	4342025.5	837.7	5.00	11.63

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 17

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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

L0001028		0	0.16949E-01	671246.0	4342034.1	839.6	5.00	11.63
11.63	NO	HRDOW						
L0001029		0	0.16949E-01	671266.6	4342035.4	841.1	5.00	11.63
11.63	NO	HRDOW						
L0001030		0	0.16949E-01	671277.2	4342016.3	840.9	5.00	11.63
11.63	NO	HRDOW						
L0001031		0	0.16949E-01	671255.2	4342004.6	838.9	5.00	11.63
11.63	NO	HRDOW						
L0001032		0	0.16949E-01	671237.7	4341991.8	837.1	5.00	11.63
11.63	NO	HRDOW						
L0001033		0	0.16949E-01	671252.4	4341971.6	837.4	5.00	11.63
11.63	NO	HRDOW						
L0001034		0	0.16949E-01	671272.9	4341971.0	838.8	5.00	11.63
11.63	NO	HRDOW						
L0001035		0	0.16949E-01	671296.2	4341980.0	840.6	5.00	11.63
11.63	NO	HRDOW						
L0001036		0	0.16949E-01	671314.6	4341971.3	841.2	5.00	11.63
11.63	NO	HRDOW						
L0001037		0	0.16949E-01	671329.9	4341951.5	841.4	5.00	11.63
11.63	NO	HRDOW						
L0001038		0	0.16949E-01	671345.1	4341931.7	842.2	5.00	11.63
11.63	NO	HRDOW						
L0001039		0	0.16949E-01	671360.4	4341911.9	842.8	5.00	11.63
11.63	NO	HRDOW						
L0001040		0	0.16949E-01	671375.6	4341892.1	843.8	5.00	11.63
11.63	NO	HRDOW						
L0001041		0	0.16949E-01	671390.9	4341872.3	844.4	5.00	11.63
11.63	NO	HRDOW						
L0001042		0	0.16949E-01	671406.1	4341852.5	842.5	5.00	11.63
11.63	NO	HRDOW						
L0001043		0	0.16949E-01	671410.7	4341834.0	841.6	5.00	11.63
11.63	NO	HRDOW						
L0001044		0	0.16949E-01	671392.5	4341829.3	840.7	5.00	11.63
11.63	NO	HRDOW						
L0001045		0	0.16949E-01	671377.4	4341849.2	842.4	5.00	11.63
11.63	NO	HRDOW						
L0001046		0	0.16949E-01	671360.2	4341851.6	841.5	5.00	11.63
11.63	NO	HRDOW						
L0001047		0	0.16949E-01	671343.3	4341851.9	839.6	5.00	11.63
11.63	NO	HRDOW						
L0001048		0	0.16949E-01	671329.7	4341872.8	839.4	5.00	11.63

11.63	NO	HRDOW						
L0001049		0	0.16949E-01	671316.2	4341893.8	839.3	5.00	11.63
11.63	NO	HRDOW						
L0001050		0	0.16949E-01	671302.6	4341914.8	839.0	5.00	11.63
11.63	NO	HRDOW						
L0001051		0	0.16949E-01	671289.0	4341935.8	838.7	5.00	11.63
11.63	NO	HRDOW						
L0001052		0	0.16949E-01	671275.4	4341956.8	838.5	5.00	11.63
11.63	NO	HRDOW						
L0001053		0	0.16949E-01	671254.4	4341948.4	837.0	5.00	11.63
11.63	NO	HRDOW						
L0001054		0	0.16949E-01	671265.0	4341928.3	836.9	5.00	11.63
11.63	NO	HRDOW						
L0001055		0	0.16949E-01	671278.8	4341907.4	837.4	5.00	11.63
11.63	NO	HRDOW						
L0001056		0	0.16949E-01	671292.6	4341886.6	837.8	5.00	11.63
11.63	NO	HRDOW						
L0001057		0	0.16949E-01	671306.4	4341865.7	837.5	5.00	11.63
11.63	NO	HRDOW						
L0001058		0	0.16949E-01	671320.2	4341844.9	837.0	5.00	11.63
11.63	NO	HRDOW						
L0001059		0	0.16949E-01	671330.5	4341824.9	836.4	5.00	11.63
11.63	NO	HRDOW						
L0001060		0	0.16949E-01	671308.7	4341812.5	834.9	5.00	11.63
11.63	NO	HRDOW						
L0001061		0	0.16949E-01	671287.0	4341800.1	833.9	5.00	11.63
11.63	NO	HRDOW						
L0001062		0	0.16949E-01	671268.3	4341803.4	833.2	5.00	11.63
11.63	NO	HRDOW						
L0001063		0	0.16949E-01	671252.8	4341823.0	832.5	5.00	11.63
11.63	NO	HRDOW						
L0001064		0	0.16949E-01	671263.8	4341840.8	834.9	5.00	11.63
11.63	NO	HRDOW						
L0001065		0	0.16949E-01	671279.8	4341839.3	835.5	5.00	11.63
11.63	NO	HRDOW						
VOL1		0	0.16949E-01	670986.5	4342143.8	839.7	5.00	5.81
1.16	NO	HRDOW						
VOL2		0	0.16949E-01	671212.9	4341826.6	830.2	5.00	5.81

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 18

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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

L0000851		0	0.63291E-02	671109.9	4342113.9	840.3	5.00	11.63
11.63	NO	HRDOW						
L0000852		0	0.63291E-02	671128.8	4342130.2	840.5	5.00	11.63
11.63	NO	HRDOW						
L0000853		0	0.63291E-02	671147.7	4342146.5	841.3	5.00	11.63
11.63	NO	HRDOW						
L0000854		0	0.63291E-02	671146.2	4342158.9	842.4	5.00	11.63
11.63	NO	HRDOW						
L0000855		0	0.63291E-02	671122.4	4342164.7	843.9	5.00	11.63
11.63	NO	HRDOW						
L0000856		0	0.63291E-02	671098.0	4342159.2	844.6	5.00	11.63
11.63	NO	HRDOW						
L0000857		0	0.63291E-02	671073.7	4342158.8	845.4	5.00	11.63
11.63	NO	HRDOW						
L0000858		0	0.63291E-02	671057.4	4342171.5	846.8	5.00	11.63
11.63	NO	HRDOW						
L0000859		0	0.63291E-02	671075.0	4342189.3	847.3	5.00	11.63
11.63	NO	HRDOW						
L0000860		0	0.63291E-02	671092.5	4342207.1	849.1	5.00	11.63
11.63	NO	HRDOW						
L0000861		0	0.63291E-02	671110.0	4342225.0	849.9	5.00	11.63
11.63	NO	HRDOW						
L0000862		0	0.63291E-02	671127.5	4342242.8	850.7	5.00	11.63
11.63	NO	HRDOW						
L0000863		0	0.63291E-02	671145.1	4342260.6	854.0	5.00	11.63
11.63	NO	HRDOW						
L0000864		0	0.63291E-02	671162.6	4342278.4	855.5	5.00	11.63
11.63	NO	HRDOW						
L0000865		0	0.63291E-02	671180.1	4342296.3	857.4	5.00	11.63
11.63	NO	HRDOW						
L0000866		0	0.63291E-02	671173.1	4342313.8	858.9	5.00	11.63
11.63	NO	HRDOW						
L0000867		0	0.63291E-02	671155.1	4342331.1	859.7	5.00	11.63
11.63	NO	HRDOW						
L0000868		0	0.63291E-02	671137.1	4342348.4	860.1	5.00	11.63
11.63	NO	HRDOW						
L0000869		0	0.63291E-02	671119.0	4342365.7	860.5	5.00	11.63
11.63	NO	HRDOW						
L0000870		0	0.63291E-02	671101.0	4342383.1	860.2	5.00	11.63
11.63	NO	HRDOW						
L0000871		0	0.63291E-02	671085.6	4342402.7	859.1	5.00	11.63

11.63	NO	HRDOW						
L0000872		0	0.63291E-02	671070.8	4342422.8	857.8	5.00	11.63
11.63	NO	HRDOW						
L0000873		0	0.63291E-02	671056.0	4342443.0	855.4	5.00	11.63
11.63	NO	HRDOW						
L0000874		0	0.63291E-02	671041.2	4342463.1	852.2	5.00	11.63
11.63	NO	HRDOW						
L0000875		0	0.63291E-02	671026.4	4342483.3	850.1	5.00	11.63
11.63	NO	HRDOW						
L0000876		0	0.63291E-02	671011.6	4342503.4	849.5	5.00	11.63
11.63	NO	HRDOW						
L0000877		0	0.63291E-02	670998.6	4342524.7	849.5	5.00	11.63
11.63	NO	HRDOW						
L0000878		0	0.63291E-02	670986.9	4342546.8	850.7	5.00	11.63
11.63	NO	HRDOW						
L0000879		0	0.63291E-02	670975.3	4342568.9	851.9	5.00	11.63
11.63	NO	HRDOW						
L0000880		0	0.63291E-02	670963.6	4342591.0	852.5	5.00	11.63
11.63	NO	HRDOW						
L0000881		0	0.63291E-02	670951.9	4342613.1	853.5	5.00	11.63
11.63	NO	HRDOW						
L0000882		0	0.63291E-02	670940.3	4342635.2	855.4	5.00	11.63
11.63	NO	HRDOW						
L0000883		0	0.63291E-02	670928.6	4342657.3	857.3	5.00	11.63
11.63	NO	HRDOW						
L0000884		0	0.63291E-02	670916.9	4342679.5	859.1	5.00	11.63
11.63	NO	HRDOW						
L0000885		0	0.63291E-02	670905.2	4342701.6	859.9	5.00	11.63
11.63	NO	HRDOW						
L0000886		0	0.63291E-02	670893.6	4342723.7	862.0	5.00	11.63
11.63	NO	HRDOW						
L0000887		0	0.63291E-02	670879.5	4342744.2	864.8	5.00	11.63
11.63	NO	HRDOW						
L0000888		0	0.63291E-02	670864.4	4342764.2	865.5	5.00	11.63
11.63	NO	HRDOW						
L0000889		0	0.63291E-02	670849.3	4342784.1	865.9	5.00	11.63
11.63	NO	HRDOW						
L0000890		0	0.63291E-02	670834.3	4342804.1	866.2	5.00	11.63

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 19

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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

L0000891		0	0.63291E-02	670814.8	4342819.4	865.0	5.00	11.63
11.63	NO	HRDOW						
L0000892		0	0.63291E-02	670794.1	4342833.4	863.0	5.00	11.63
11.63	NO	HRDOW						
L0000893		0	0.63291E-02	670773.4	4342847.4	860.2	5.00	11.63
11.63	NO	HRDOW						
L0000894		0	0.63291E-02	670752.6	4342861.3	859.9	5.00	11.63
11.63	NO	HRDOW						
L0000895		0	0.63291E-02	670731.9	4342875.3	858.1	5.00	11.63
11.63	NO	HRDOW						
L0000896		0	0.63291E-02	670711.2	4342889.3	855.2	5.00	11.63
11.63	NO	HRDOW						
L0000897		0	0.63291E-02	670690.4	4342903.2	853.3	5.00	11.63
11.63	NO	HRDOW						
L0000898		0	0.63291E-02	670669.7	4342917.2	851.8	5.00	11.63
11.63	NO	HRDOW						
L0000899		0	0.63291E-02	670649.0	4342931.2	849.9	5.00	11.63
11.63	NO	HRDOW						
L0000900		0	0.63291E-02	670628.2	4342945.1	847.1	5.00	11.63
11.63	NO	HRDOW						
L0000901		0	0.63291E-02	670607.5	4342959.1	844.5	5.00	11.63
11.63	NO	HRDOW						
L0000902		0	0.63291E-02	670586.8	4342973.1	843.0	5.00	11.63
11.63	NO	HRDOW						
L0000903		0	0.63291E-02	670566.0	4342987.0	841.7	5.00	11.63
11.63	NO	HRDOW						
L0000904		0	0.63291E-02	670545.3	4343001.0	837.8	5.00	11.63
11.63	NO	HRDOW						
L0000905		0	0.63291E-02	670524.6	4343015.0	836.6	5.00	11.63
11.63	NO	HRDOW						
L0000906		0	0.63291E-02	670503.8	4343028.9	835.1	5.00	11.63
11.63	NO	HRDOW						
L0000907		0	0.63291E-02	670486.5	4343046.8	832.1	5.00	11.63
11.63	NO	HRDOW						
L0000908		0	0.63291E-02	670470.4	4343065.8	830.8	5.00	11.63
11.63	NO	HRDOW						
L0000909		0	0.63291E-02	670454.2	4343084.9	829.4	5.00	11.63
11.63	NO	HRDOW						
L0000910		0	0.63291E-02	670440.7	4343105.8	826.0	5.00	11.63
11.63	NO	HRDOW						
L0000911		0	0.63291E-02	670429.2	4343128.0	824.4	5.00	11.63

11.63	NO	HRDOW						
L0000912		0	0.63291E-02	670417.6	4343150.1	823.9	5.00	11.63
11.63	NO	HRDOW						
L0000913		0	0.63291E-02	670399.5	4343158.6	824.5	5.00	11.63
11.63	NO	HRDOW						
L0000914		0	0.63291E-02	670374.9	4343153.8	825.4	5.00	11.63
11.63	NO	HRDOW						
L0000915		0	0.63291E-02	670351.4	4343154.9	826.3	5.00	11.63
11.63	NO	HRDOW						
L0000916		0	0.63291E-02	670330.1	4343168.0	826.3	5.00	11.63
11.63	NO	HRDOW						
L0000917		0	0.63291E-02	670308.8	4343181.1	826.4	5.00	11.63
11.63	NO	HRDOW						
L0000918		0	0.63291E-02	670286.9	4343192.9	826.3	5.00	11.63
11.63	NO	HRDOW						
L0000919		0	0.63291E-02	670263.3	4343201.1	826.4	5.00	11.63
11.63	NO	HRDOW						
L0000920		0	0.63291E-02	670239.7	4343209.4	826.4	5.00	11.63
11.63	NO	HRDOW						
L0000921		0	0.63291E-02	670216.1	4343217.6	826.4	5.00	11.63
11.63	NO	HRDOW						
L0000922		0	0.63291E-02	670192.5	4343225.9	826.5	5.00	11.63
11.63	NO	HRDOW						
L0000923		0	0.63291E-02	670168.9	4343234.2	826.6	5.00	11.63
11.63	NO	HRDOW						
L0000924		0	0.63291E-02	670145.3	4343242.4	826.6	5.00	11.63
11.63	NO	HRDOW						
L0000925		0	0.63291E-02	670121.7	4343250.7	826.3	5.00	11.63
11.63	NO	HRDOW						
L0000926		0	0.63291E-02	670098.1	4343258.9	826.0	5.00	11.63
11.63	NO	HRDOW						
L0000927		0	0.63291E-02	670074.5	4343267.2	825.7	5.00	11.63
11.63	NO	HRDOW						
L0000928		0	0.63291E-02	670050.9	4343275.4	825.6	5.00	11.63
11.63	NO	HRDOW						
L0000929		0	0.63291E-02	670027.3	4343283.7	825.8	5.00	11.63
11.63	NO	HRDOW						
L0000930		0	0.63291E-02	670003.7	4343291.9	825.8	5.00	11.63

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 20

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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

L0000931		0	0.63291E-02	669980.1	4343300.2	825.8	5.00	11.63
11.63	NO	HRDOW						
L0000932		0	0.63291E-02	669956.3	4343306.0	825.7	5.00	11.63
11.63	NO	HRDOW						
L0000933		0	0.63291E-02	669931.4	4343303.2	824.8	5.00	11.63
11.63	NO	HRDOW						
L0000934		0	0.63291E-02	669906.6	4343300.4	822.9	5.00	11.63
11.63	NO	HRDOW						
L0000935		0	0.63291E-02	669881.7	4343297.6	821.4	5.00	11.63
11.63	NO	HRDOW						
L0000936		0	0.63291E-02	669856.9	4343294.9	819.7	5.00	11.63
11.63	NO	HRDOW						
L0000937		0	0.63291E-02	669832.0	4343292.1	816.9	5.00	11.63
11.63	NO	HRDOW						
L0000938		0	0.63291E-02	669807.2	4343289.3	815.0	5.00	11.63
11.63	NO	HRDOW						
L0000939		0	0.63291E-02	669782.3	4343286.5	812.8	5.00	11.63
11.63	NO	HRDOW						
L0000940		0	0.63291E-02	669757.5	4343283.8	810.8	5.00	11.63
11.63	NO	HRDOW						
L0000941		0	0.63291E-02	669732.6	4343281.0	809.5	5.00	11.63
11.63	NO	HRDOW						
L0000942		0	0.63291E-02	669707.8	4343278.7	807.1	5.00	11.63
11.63	NO	HRDOW						
L0000943		0	0.63291E-02	669683.4	4343283.9	804.7	5.00	11.63
11.63	NO	HRDOW						
L0000944		0	0.63291E-02	669658.9	4343289.0	803.0	5.00	11.63
11.63	NO	HRDOW						
L0000945		0	0.63291E-02	669634.5	4343294.2	799.3	5.00	11.63
11.63	NO	HRDOW						
L0000946		0	0.63291E-02	669612.1	4343305.3	797.5	5.00	11.63
11.63	NO	HRDOW						
L0000947		0	0.63291E-02	669590.0	4343316.9	795.3	5.00	11.63
11.63	NO	HRDOW						
L0000948		0	0.63291E-02	669567.9	4343328.6	791.5	5.00	11.63
11.63	NO	HRDOW						
L0000949		0	0.63291E-02	669545.8	4343340.3	789.3	5.00	11.63
11.63	NO	HRDOW						
L0000950		0	0.63291E-02	669523.7	4343352.0	786.3	5.00	11.63
11.63	NO	HRDOW						
L0000951		0	0.63291E-02	669501.5	4343363.1	783.6	5.00	11.63

11.63	NO	HRDOW						
L0000952		0	0.63291E-02	669476.5	4343364.8	783.0	5.00	11.63
11.63	NO	HRDOW						
L0000953		0	0.63291E-02	669451.6	4343366.5	782.4	5.00	11.63
11.63	NO	HRDOW						
L0000954		0	0.63291E-02	669427.2	4343364.2	782.2	5.00	11.63
11.63	NO	HRDOW						
L0000955		0	0.63291E-02	669403.9	4343355.3	782.7	5.00	11.63
11.63	NO	HRDOW						
L0000956		0	0.63291E-02	669380.5	4343346.4	782.7	5.00	11.63
11.63	NO	HRDOW						
L0000957		0	0.63291E-02	669357.1	4343337.5	781.4	5.00	11.63
11.63	NO	HRDOW						
L0000958		0	0.63291E-02	669333.8	4343328.6	779.3	5.00	11.63
11.63	NO	HRDOW						
L0000959		0	0.63291E-02	669310.6	4343319.4	778.2	5.00	11.63
11.63	NO	HRDOW						
L0000960		0	0.63291E-02	669292.1	4343302.5	777.7	5.00	11.63
11.63	NO	HRDOW						
L0000961		0	0.63291E-02	669273.7	4343285.6	776.7	5.00	11.63
11.63	NO	HRDOW						
L0000962		0	0.63291E-02	669255.3	4343268.7	775.4	5.00	11.63
11.63	NO	HRDOW						
L0000963		0	0.63291E-02	669236.8	4343251.9	774.0	5.00	11.63
11.63	NO	HRDOW						
L0000964		0	0.63291E-02	669218.1	4343243.5	772.6	5.00	11.63
11.63	NO	HRDOW						
L0000965		0	0.63291E-02	669198.6	4343259.2	771.2	5.00	11.63
11.63	NO	HRDOW						
L0000966		0	0.63291E-02	669179.1	4343274.8	769.5	5.00	11.63
11.63	NO	HRDOW						
L0000967		0	0.63291E-02	669159.6	4343290.5	766.8	5.00	11.63
11.63	NO	HRDOW						
L0000968		0	0.63291E-02	669140.1	4343306.1	763.9	5.00	11.63
11.63	NO	HRDOW						
L0000969		0	0.63291E-02	669130.4	4343328.4	762.4	5.00	11.63
11.63	NO	HRDOW						
L0000970		0	0.63291E-02	669123.0	4343352.3	761.9	5.00	11.63

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 21

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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

L0000971		0	0.63291E-02	669115.6	4343376.2	760.6	5.00	11.63
11.63	NO	HRDOW						
L0000972		0	0.63291E-02	669108.2	4343400.0	759.6	5.00	11.63
11.63	NO	HRDOW						
L0000973		0	0.63291E-02	669100.9	4343423.9	761.2	5.00	11.63
11.63	NO	HRDOW						
L0000974		0	0.63291E-02	669076.6	4343418.3	760.7	5.00	11.63
11.63	NO	HRDOW						
L0000975		0	0.63291E-02	669052.3	4343412.5	760.5	5.00	11.63
11.63	NO	HRDOW						
L0000976		0	0.63291E-02	669028.0	4343406.7	760.5	5.00	11.63
11.63	NO	HRDOW						
L0000977		0	0.63291E-02	669003.7	4343400.9	760.2	5.00	11.63
11.63	NO	HRDOW						
L0000978		0	0.63291E-02	668979.3	4343395.1	759.9	5.00	11.63
11.63	NO	HRDOW						
L0000979		0	0.63291E-02	668955.0	4343389.3	760.1	5.00	11.63
11.63	NO	HRDOW						
L0000980		0	0.63291E-02	668930.7	4343383.5	760.5	5.00	11.63
11.63	NO	HRDOW						
L0000981		0	0.63291E-02	668906.4	4343377.7	760.4	5.00	11.63
11.63	NO	HRDOW						
L0000982		0	0.63291E-02	668881.8	4343378.0	760.8	5.00	11.63
11.63	NO	HRDOW						
L0000983		0	0.63291E-02	668857.0	4343381.5	760.0	5.00	11.63
11.63	NO	HRDOW						
L0000984		0	0.63291E-02	668832.3	4343385.0	758.6	5.00	11.63
11.63	NO	HRDOW						
L0000985		0	0.63291E-02	668807.5	4343388.5	758.0	5.00	11.63
11.63	NO	HRDOW						
L0000986		0	0.63291E-02	668782.8	4343392.1	757.7	5.00	11.63
11.63	NO	HRDOW						
L0000987		0	0.63291E-02	668758.0	4343395.0	757.6	5.00	11.63
11.63	NO	HRDOW						
L0000988		0	0.63291E-02	668733.0	4343394.7	757.5	5.00	11.63
11.63	NO	HRDOW						
L0000989		0	0.63291E-02	668708.0	4343394.4	757.6	5.00	11.63
11.63	NO	HRDOW						
L0000990		0	0.63291E-02	668683.0	4343394.1	756.6	5.00	11.63
11.63	NO	HRDOW						
L0000991		0	0.63291E-02	668658.1	4343395.6	754.7	5.00	11.63

11.63	NO	HRDOW						
L0000992		0	0.63291E-02	668633.2	4343398.0	752.9	5.00	11.63
11.63	NO	HRDOW						
L0000993		0	0.63291E-02	668608.3	4343400.3	751.1	5.00	11.63
11.63	NO	HRDOW						
L0000994		0	0.63291E-02	668583.4	4343402.7	750.4	5.00	11.63
11.63	NO	HRDOW						
L0000995		0	0.63291E-02	668558.5	4343405.0	750.4	5.00	11.63
11.63	NO	HRDOW						
L0000996		0	0.63291E-02	668533.6	4343407.4	750.2	5.00	11.63
11.63	NO	HRDOW						
L0000997		0	0.63291E-02	668509.8	4343401.3	750.0	5.00	11.63
11.63	NO	HRDOW						
L0000998		0	0.63291E-02	668486.4	4343392.5	749.6	5.00	11.63
11.63	NO	HRDOW						
L0000999		0	0.63291E-02	668463.0	4343383.8	749.1	5.00	11.63
11.63	NO	HRDOW						
L0001000		0	0.63291E-02	668439.6	4343375.1	748.5	5.00	11.63
11.63	NO	HRDOW						
L0001001		0	0.63291E-02	668416.1	4343366.3	747.9	5.00	11.63
11.63	NO	HRDOW						
L0001002		0	0.63291E-02	668392.7	4343357.6	747.6	5.00	11.63
11.63	NO	HRDOW						
L0001003		0	0.63291E-02	668369.3	4343348.9	747.7	5.00	11.63
11.63	NO	HRDOW						
L0001004		0	0.63291E-02	668345.9	4343340.1	747.8	5.00	11.63
11.63	NO	HRDOW						
L0001005		0	0.63291E-02	668323.1	4343329.7	748.2	5.00	11.63
11.63	NO	HRDOW						
L0001006		0	0.63291E-02	668300.4	4343319.4	747.8	5.00	11.63
11.63	NO	HRDOW						
L0001007		0	0.63291E-02	668277.6	4343309.0	745.3	5.00	11.63
11.63	NO	HRDOW						
L0001008		0	0.63291E-02	668254.9	4343298.7	744.8	5.00	11.63
11.63	NO	HRDOW						
L0001066		0	0.16949E-01	671439.7	4341758.2	841.6	5.00	11.63
11.63	NO	HRDOW						
L0001067		0	0.16949E-01	671453.8	4341737.6	843.5	5.00	11.63

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 22

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

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

L0001068		0	0.16949E-01	671467.9	4341716.9	844.2	5.00	11.63
11.63	NO	HRDOW						
L0001069		0	0.16949E-01	671482.1	4341696.3	844.6	5.00	11.63
11.63	NO	HRDOW						
L0001070		0	0.16949E-01	671496.2	4341675.7	845.1	5.00	11.63
11.63	NO	HRDOW						
L0001071		0	0.16949E-01	671513.4	4341673.2	845.5	5.00	11.63
11.63	NO	HRDOW						
L0001072		0	0.16949E-01	671533.6	4341687.9	846.3	5.00	11.63
11.63	NO	HRDOW						
L0001073		0	0.16949E-01	671521.1	4341707.6	847.0	5.00	11.63
11.63	NO	HRDOW						
L0001074		0	0.16949E-01	671506.1	4341727.6	847.0	5.00	11.63
11.63	NO	HRDOW						
L0001075		0	0.16949E-01	671491.1	4341747.6	846.8	5.00	11.63
11.63	NO	HRDOW						
L0001076		0	0.16949E-01	671476.1	4341767.6	846.5	5.00	11.63
11.63	NO	HRDOW						

*** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 23

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** AREAPOLY SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE	LOCATION OF AREA	BASE	RELEASE	NUMBER	
SOURCE		EMISSION	RATE	(GRAMS/SEC	X	Y	ELEV.	HEIGHT	OF VERTS.
SZ	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	
ID		CATS.	/METER**2)						
(METERS)		BY							

PAREA1		0	0.89842E-03	671100.2	4342103.9	840.5	3.00	6
0.00	NO	HRDOW						
PAREA2		0	0.24358E-04	671251.6	4341735.3	833.7	1.00	4

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0.00      NO      HRDOW
PAREA3      0      0.48598E-05      668752.0      4343310.4      756.6      1.00      13
0.00      NO      HRDOW
PAREA4      0      0.11159E-04      671065.9      4342098.2      842.8      1.00      17
0.00      NO
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***                               ***      10/04/21
*** AERMET - VERSION      14134 ***      ***
***                               ***      13:59:48

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PAGE 24

*** MODELOPTs: RegDFault CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID		SOURCE IDs					
-----		-----					
SRCGP1	PAREA1	,					
SRCGP2	L0000674	,	L0000675	,	L0000676	,	L0000677
L0000679	, L0000680	,	L0000681	,			
	L0000682	,	L0000683	,	L0000684	,	L0000685
L0000687	, L0000688	,	L0000689	,			
	L0000690	,	L0000691	,	L0000692	,	L0000693
L0000695	, L0000696	,	L0000697	,			
	L0000698	,	L0000699	,	L0000700	,	
SRCGP3	L0000555	,	L0000556	,	L0000557	,	L0000558
L0000560	, L0000561	,	L0000562	,			
	L0000563	,	L0000564	,	L0000565	,	L0000566
L0000568	, L0000569	,	L0000570	,			
	L0000571	,	L0000572	,	L0000573	,	L0000574
L0000576	, L0000577	,	L0000578	,			
	L0000579	,	L0000580	,	L0000581	,	L0000582
L0000584	, L0000585	,	L0000586	,			
	L0000587	,	L0000588	,	L0000589	,	L0000590
L0000592	, L0000593	,	L0000594	,			
	L0000595	,	L0000596	,	L0000597	,	L0000598
L0000600	, L0000601	,	L0000602	,			

L0000608	L0000603 , L0000609	, L0000604 , L0000610	, L0000605 ,	, L0000606	, L0000607	,
L0000616	L0000611 , L0000617	, L0000612 , L0000618	, L0000613 ,	, L0000614	, L0000615	,
L0000624	L0000619 , L0000625	, L0000620 , L0000626	, L0000621 ,	, L0000622	, L0000623	,
L0000632	L0000627 , L0000633	, L0000628 , L0000634	, L0000629 ,	, L0000630	, L0000631	,
L0000640	L0000635 , L0000641	, L0000636 , L0000642	, L0000637 ,	, L0000638	, L0000639	,
L0000648	L0000643 , L0000649	, L0000644 , L0000650	, L0000645 ,	, L0000646	, L0000647	,
L0000656	L0000651 , L0000657	, L0000652 , L0000658	, L0000653 ,	, L0000654	, L0000655	,
L0000664	L0000659 , L0000665	, L0000660 , L0000666	, L0000661 ,	, L0000662	, L0000663	,

L0000672	L0000667 , L0000673	, L0000668 ,	, L0000669	, L0000670	, L0000671	,

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 25

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs					
-----	-----					
SRCGP4 L0000154	L0000149 , L0000155	, L0000150 , L0000156	, L0000151 ,	, L0000152	, L0000153	,
L0000162	L0000157 , L0000163	, L0000158 , L0000164	, L0000159 ,	, L0000160	, L0000161	,
L0000170	L0000165 , L0000171	, L0000166 , L0000172	, L0000167 ,	, L0000168	, L0000169	,

L0000178	L0000173 , L0000179	, L0000174 , L0000180	, L0000175 ,	, L0000176	, L0000177	,
L0000186	L0000181 , L0000187	, L0000182 , L0000188	, L0000183 ,	, L0000184	, L0000185	,
L0000194	L0000189 , L0000195	, L0000190 , L0000196	, L0000191 ,	, L0000192	, L0000193	,
L0000202	L0000197 , L0000203	, L0000198 , L0000204	, L0000199 ,	, L0000200	, L0000201	,
L0000210	L0000205 , L0000211	, L0000206 , L0000212	, L0000207 ,	, L0000208	, L0000209	,
L0000218	L0000213 , L0000219	, L0000214 , L0000220	, L0000215 ,	, L0000216	, L0000217	,
L0000226	L0000221 , L0000227	, L0000222 , L0000228	, L0000223 ,	, L0000224	, L0000225	,
L0000234	L0000229 , L0000235	, L0000230 , L0000236	, L0000231 ,	, L0000232	, L0000233	,
L0000242	L0000237 , L0000243	, L0000238 , L0000244	, L0000239 ,	, L0000240	, L0000241	,
L0000250	L0000245 , L0000251	, L0000246 , L0000252	, L0000247 ,	, L0000248	, L0000249	,
L0000258	L0000253 , L0000259	, L0000254 , L0000260	, L0000255 ,	, L0000256	, L0000257	,
L0000266	L0000261 , L0000267	, L0000262 , L0000268	, L0000263 ,	, L0000264	, L0000265	,
L0000274	L0000269 , L0000275	, L0000270 , L0000276	, L0000271 ,	, L0000272	, L0000273	,
L0000282	L0000277 , L0000283	, L0000278 , L0000284	, L0000279 ,	, L0000280	, L0000281	,
L0000290	L0000285 , L0000291	, L0000286 , L0000292	, L0000287 ,	, L0000288	, L0000289	,
L0000298	L0000293 , L0000299	, L0000294 , L0000300	, L0000295 ,	, L0000296	, L0000297	,
	L0000301	, L0000302	, L0000303	, L0000304	, L0000305	,

L0000306 , L0000307 , L0000308 ,
 ▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 26

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
L0000314	L0000309 , L0000310 , L0000311 , L0000312 , L0000313 , , L0000315 , L0000316 ,
L0000322	L0000317 , L0000318 , L0000319 , L0000320 , L0000321 , , L0000323 , L0000324 ,
L0000330	L0000325 , L0000326 , L0000327 , L0000328 , L0000329 , , L0000331 , L0000332 ,
L0000338	L0000333 , L0000334 , L0000335 , L0000336 , L0000337 , , L0000339 , L0000340 ,
L0000346	L0000341 , L0000342 , L0000343 , L0000344 , L0000345 , , L0000347 , L0000348 ,
L0000354	L0000349 , L0000350 , L0000351 , L0000352 , L0000353 , , L0000355 , L0000356 ,
L0000362	L0000357 , L0000358 , L0000359 , L0000360 , L0000361 , , L0000363 , L0000364 ,
L0000370	L0000365 , L0000366 , L0000367 , L0000368 , L0000369 , , L0000371 , L0000372 ,
L0000378	L0000373 , L0000374 , L0000375 , L0000376 , L0000377 , , L0000379 , L0000380 ,
L0000386	L0000381 , L0000382 , L0000383 , L0000384 , L0000385 , , L0000387 , L0000388 ,
L0000394	L0000389 , L0000390 , L0000391 , L0000392 , L0000393 , , L0000395 , L0000396 ,
	L0000397 , L0000398 , L0000399 , L0000400 , L0000401 ,

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L0000402      , L0000403      , L0000404      ,
                L0000405      , L0000406      , L0000407      ,

SRCGP5        L0000408      , L0000409      , L0000410      , L0000411      , L0000412      ,
L0000413      , L0000414      , L0000415      ,

                L0000416      , L0000417      , L0000418      , L0000419      , L0000420      ,
L0000421      , L0000422      , L0000423      ,

                L0000424      , L0000425      , L0000426      , L0000427      , L0000428      ,
L0000429      , L0000430      , L0000431      ,

                L0000432      , L0000433      , L0000434      , L0000435      , L0000436      ,
L0000437      , L0000438      , L0000439      ,

                L0000440      , L0000441      , L0000442      , L0000443      , L0000444      ,
L0000445      , L0000446      , L0000447      ,

                L0000448      , L0000449      , L0000450      , L0000451      , L0000452      ,
L0000453      , L0000454      , L0000455      ,

                L0000456      , L0000457      , L0000458      , L0000459      , L0000460      ,
L0000461      , L0000462      , L0000463      ,
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                *** 10/04/21
*** AERMET - VERSION 14134 *** ***
                *** 13:59:48

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PAGE 27

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
L0000469	L0000464 , L0000465 , L0000466 , L0000467 , L0000468 , L0000470 , L0000471 , L0000472 ,
SRCGP6 L0000478	L0000473 , L0000474 , L0000475 , L0000476 , L0000477 , L0000479 , L0000480 ,
L0000486	L0000481 , L0000482 , L0000483 , L0000484 , L0000485 , L0000487 , L0000488 ,

L0000494	L0000489 , L0000495	, L0000490 , L0000496	, L0000491 ,	, L0000492	, L0000493	,
L0000502	L0000497 , L0000503	, L0000498 , L0000504	, L0000499 ,	, L0000500	, L0000501	,
L0000510	L0000505 , L0000511	, L0000506 , L0000512	, L0000507 ,	, L0000508	, L0000509	,
L0000518	L0000513 , L0000519	, L0000514 , L0000520	, L0000515 ,	, L0000516	, L0000517	,
L0000526	L0000521 , L0000527	, L0000522 , L0000528	, L0000523 ,	, L0000524	, L0000525	,
L0000534	L0000529 , L0000535	, L0000530 , L0000536	, L0000531 ,	, L0000532	, L0000533	,
L0000542	L0000537 , L0000543	, L0000538 , L0000544	, L0000539 ,	, L0000540	, L0000541	,
L0000550	L0000545 , L0000551	, L0000546 , L0000552	, L0000547 ,	, L0000548	, L0000549	,
	L0000553	, L0000554	,			
SRCGP7 STCK6	STCK1 ,	, STCK2	, STCK3	, STCK4	, STCK5	,
SRCGP8	STCK10	,				
SRCGP9	STCK7	,				
SRCGP10	STCK8	,				
SRCGP11	STCK9	,				
SRCGP12 L0001025	L0001020 , L0001026	, L0001021 , L0001027	, L0001022 ,	, L0001023	, L0001024	,
L0001033	L0001028 , L0001034	, L0001029 , L0001035	, L0001030 ,	, L0001031	, L0001032	,
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID		SOURCE IDs					
-----		-----					
L0001041	L0001036 , L0001042	, L0001037 , L0001043	, L0001038 ,	, L0001039	, L0001040	,	
L0001049	L0001044 , L0001050	, L0001045 , L0001051	, L0001046 ,	, L0001047	, L0001048	,	
L0001057	L0001052 , L0001058	, L0001053 , L0001059	, L0001054 ,	, L0001055	, L0001056	,	
L0001065	L0001060 , VOL1	, L0001061 , VOL2	, L0001062 ,	, L0001063	, L0001064	,	
L0001071	L0001066 , L0001072	, L0001067 , L0001073	, L0001068 ,	, L0001069	, L0001070	,	
	L0001074	, L0001075	, L0001076	,			
SRCGP13 L0000856	L0000851 , L0000857	, L0000852 , L0000858	, L0000853 ,	, L0000854	, L0000855	,	
L0000864	L0000859 , L0000865	, L0000860 , L0000866	, L0000861 ,	, L0000862	, L0000863	,	
L0000872	L0000867 , L0000873	, L0000868 , L0000874	, L0000869 ,	, L0000870	, L0000871	,	
L0000880	L0000875 , L0000881	, L0000876 , L0000882	, L0000877 ,	, L0000878	, L0000879	,	
L0000888	L0000883 , L0000889	, L0000884 , L0000890	, L0000885 ,	, L0000886	, L0000887	,	
L0000896	L0000891 , L0000897	, L0000892 , L0000898	, L0000893 ,	, L0000894	, L0000895	,	
L0000904	L0000899 , L0000905	, L0000900 , L0000906	, L0000901 ,	, L0000902	, L0000903	,	
L0000912	L0000907 , L0000913	, L0000908 , L0000914	, L0000909 ,	, L0000910	, L0000911	,	
L0000920	L0000915 , L0000921	, L0000916 , L0000922	, L0000917 ,	, L0000918	, L0000919	,	


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L0000928      L0000923      , L0000924      , L0000925      , L0000926      , L0000927      ,
, L0000929      , L0000930      ,

L0000936      L0000931      , L0000932      , L0000933      , L0000934      , L0000935      ,
, L0000937      , L0000938      ,

L0000944      L0000939      , L0000940      , L0000941      , L0000942      , L0000943      ,
, L0000945      , L0000946      ,

L0000952      L0000947      , L0000948      , L0000949      , L0000950      , L0000951      ,
, L0000953      , L0000954      ,

L0000960      L0000955      , L0000956      , L0000957      , L0000958      , L0000959      ,
, L0000961      , L0000962      ,
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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 29

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
L0000968	L0000963 , L0000964 , L0000965 , L0000966 , L0000967 , , L0000969 , L0000970 ,
L0000976	L0000971 , L0000972 , L0000973 , L0000974 , L0000975 , , L0000977 , L0000978 ,
L0000984	L0000979 , L0000980 , L0000981 , L0000982 , L0000983 , , L0000985 , L0000986 ,
L0000992	L0000987 , L0000988 , L0000989 , L0000990 , L0000991 , , L0000993 , L0000994 ,
L0001000	L0000995 , L0000996 , L0000997 , L0000998 , L0000999 , , L0001001 , L0001002 ,
L0001008	L0001003 , L0001004 , L0001005 , L0001006 , L0001007 , , ,
SRCGP14	PAREA2 ,

SRCGP15	PAREA3	,				
SRCGP16	PAREA4	,				
ALL STCK5	PAREA1 , STCK6	, STCK1 , STCK7	, STCK2 ,	, STCK3	, STCK4	,
L0000557	STCK8 , L0000558	, STCK9 , L0000559	, STCK10 ,	, L0000555	, L0000556	,
L0000565	L0000560 , L0000566	, L0000561 , L0000567	, L0000562 ,	, L0000563	, L0000564	,
L0000573	L0000568 , L0000574	, L0000569 , L0000575	, L0000570 ,	, L0000571	, L0000572	,
L0000581	L0000576 , L0000582	, L0000577 , L0000583	, L0000578 ,	, L0000579	, L0000580	,
L0000589	L0000584 , L0000590	, L0000585 , L0000591	, L0000586 ,	, L0000587	, L0000588	,
L0000597	L0000592 , L0000598	, L0000593 , L0000599	, L0000594 ,	, L0000595	, L0000596	,
L0000605	L0000600 , L0000606	, L0000601 , L0000607	, L0000602 ,	, L0000603	, L0000604	,
L0000613	L0000608 , L0000614	, L0000609 , L0000615	, L0000610 ,	, L0000611	, L0000612	,
L0000621	L0000616 , L0000622	, L0000617 , L0000623	, L0000618 ,	, L0000619	, L0000620	,
L0000629	L0000624 , L0000630	, L0000625 , L0000631	, L0000626 ,	, L0000627	, L0000628	,

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 30

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

L0000637	L0000632 , L0000638	, L0000633 , L0000639	, L0000634 ,	, L0000635	, L0000636	,
L0000645	L0000640 , L0000646	, L0000641 , L0000647	, L0000642 ,	, L0000643	, L0000644	,
L0000653	L0000648 , L0000654	, L0000649 , L0000655	, L0000650 ,	, L0000651	, L0000652	,
L0000661	L0000656 , L0000662	, L0000657 , L0000663	, L0000658 ,	, L0000659	, L0000660	,
L0000669	L0000664 , L0000670	, L0000665 , L0000671	, L0000666 ,	, L0000667	, L0000668	,
L0000152	L0000672 , L0000153	, L0000673 , L0000154	, L0000149 ,	, L0000150	, L0000151	,
L0000160	L0000155 , L0000161	, L0000156 , L0000162	, L0000157 ,	, L0000158	, L0000159	,
L0000168	L0000163 , L0000169	, L0000164 , L0000170	, L0000165 ,	, L0000166	, L0000167	,
L0000176	L0000171 , L0000177	, L0000172 , L0000178	, L0000173 ,	, L0000174	, L0000175	,
L0000184	L0000179 , L0000185	, L0000180 , L0000186	, L0000181 ,	, L0000182	, L0000183	,
L0000192	L0000187 , L0000193	, L0000188 , L0000194	, L0000189 ,	, L0000190	, L0000191	,
L0000200	L0000195 , L0000201	, L0000196 , L0000202	, L0000197 ,	, L0000198	, L0000199	,
L0000208	L0000203 , L0000209	, L0000204 , L0000210	, L0000205 ,	, L0000206	, L0000207	,
L0000216	L0000211 , L0000217	, L0000212 , L0000218	, L0000213 ,	, L0000214	, L0000215	,
L0000224	L0000219 , L0000225	, L0000220 , L0000226	, L0000221 ,	, L0000222	, L0000223	,
L0000232	L0000227 , L0000233	, L0000228 , L0000234	, L0000229 ,	, L0000230	, L0000231	,
	L0000235	, L0000236	, L0000237	, L0000238	, L0000239	,

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L0000240      , L0000241      , L0000242      ,
               L0000243      , L0000244      , L0000245      , L0000246      , L0000247      ,
L0000248      , L0000249      , L0000250      ,
               L0000251      , L0000252      , L0000253      , L0000254      , L0000255      ,
L0000256      , L0000257      , L0000258      ,
               L0000259      , L0000260      , L0000261      , L0000262      , L0000263      ,
L0000264      , L0000265      , L0000266      ,
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               ***      10/04/21
*** AERMET - VERSION 14134 ***      ***
               ***      13:59:48

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PAGE 31

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
L0000272	L0000267 , L0000268 , L0000269 , L0000270 , L0000271 , L0000273 , L0000274 ,
L0000280	L0000275 , L0000276 , L0000277 , L0000278 , L0000279 , L0000281 , L0000282 ,
L0000288	L0000283 , L0000284 , L0000285 , L0000286 , L0000287 , L0000289 , L0000290 ,
L0000296	L0000291 , L0000292 , L0000293 , L0000294 , L0000295 , L0000297 , L0000298 ,
L0000304	L0000299 , L0000300 , L0000301 , L0000302 , L0000303 , L0000305 , L0000306 ,
L0000312	L0000307 , L0000308 , L0000309 , L0000310 , L0000311 , L0000313 , L0000314 ,
L0000320	L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000321 , L0000322 ,
L0000328	L0000323 , L0000324 , L0000325 , L0000326 , L0000327 , L0000329 , L0000330 ,
	L0000331 , L0000332 , L0000333 , L0000334 , L0000335 ,

L0000336	,	L0000337	,	L0000338	,	
		L0000339	,	L0000340	,	L0000341
L0000344	,	L0000345	,	L0000346	,	L0000342
						L0000343
		L0000347	,	L0000348	,	L0000349
L0000352	,	L0000353	,	L0000354	,	L0000350
						L0000351
		L0000355	,	L0000356	,	L0000357
L0000360	,	L0000361	,	L0000362	,	L0000358
						L0000359
		L0000363	,	L0000364	,	L0000365
L0000368	,	L0000369	,	L0000370	,	L0000366
						L0000367
		L0000371	,	L0000372	,	L0000373
L0000376	,	L0000377	,	L0000378	,	L0000374
						L0000375
		L0000379	,	L0000380	,	L0000381
L0000384	,	L0000385	,	L0000386	,	L0000382
						L0000383
		L0000387	,	L0000388	,	L0000389
L0000392	,	L0000393	,	L0000394	,	L0000390
						L0000391
		L0000395	,	L0000396	,	L0000397
L0000400	,	L0000401	,	L0000402	,	L0000398
						L0000399
		L0000403	,	L0000404	,	L0000405
L0000408	,	L0000409	,	L0000410	,	L0000406
						L0000407
		L0000411	,	L0000412	,	L0000413
L0000416	,	L0000417	,	L0000418	,	L0000414
						L0000415
		L0000419	,	L0000420	,	L0000421
L0000424	,	L0000425	,	L0000426	,	L0000422
						L0000423

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 32

*** MODELOPTs: RegDFault CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

L0000427	,	L0000428	,	L0000429	,	L0000430	,	L0000431	,

L0000432	, L0000433	, L0000434	,			
	L0000435	, L0000436	, L0000437	, L0000438	, L0000439	,
L0000440	, L0000441	, L0000442	,			
	L0000443	, L0000444	, L0000445	, L0000446	, L0000447	,
L0000448	, L0000449	, L0000450	,			
	L0000451	, L0000452	, L0000453	, L0000454	, L0000455	,
L0000456	, L0000457	, L0000458	,			
	L0000459	, L0000460	, L0000461	, L0000462	, L0000463	,
L0000464	, L0000465	, L0000466	,			
	L0000467	, L0000468	, L0000469	, L0000470	, L0000471	,
L0000472	, L0000473	, L0000474	,			
	L0000475	, L0000476	, L0000477	, L0000478	, L0000479	,
L0000480	, L0000481	, L0000482	,			
	L0000483	, L0000484	, L0000485	, L0000486	, L0000487	,
L0000488	, L0000489	, L0000490	,			
	L0000491	, L0000492	, L0000493	, L0000494	, L0000495	,
L0000496	, L0000497	, L0000498	,			
	L0000499	, L0000500	, L0000501	, L0000502	, L0000503	,
L0000504	, L0000505	, L0000506	,			
	L0000507	, L0000508	, L0000509	, L0000510	, L0000511	,
L0000512	, L0000513	, L0000514	,			
	L0000515	, L0000516	, L0000517	, L0000518	, L0000519	,
L0000520	, L0000521	, L0000522	,			
	L0000523	, L0000524	, L0000525	, L0000526	, L0000527	,
L0000528	, L0000529	, L0000530	,			
	L0000531	, L0000532	, L0000533	, L0000534	, L0000535	,
L0000536	, L0000537	, L0000538	,			
	L0000539	, L0000540	, L0000541	, L0000542	, L0000543	,
L0000544	, L0000545	, L0000546	,			
	L0000547	, L0000548	, L0000549	, L0000550	, L0000551	,
L0000552	, L0000553	, L0000554	,			
	L0000674	, L0000675	, L0000676	, L0000677	, L0000678	,
L0000679	, L0000680	, L0000681	,			

L0000687 L0000682 , L0000683 , L0000684 , L0000685 , L0000686 ,
 , L0000688 , L0000689 ,

L0000695 L0000690 , L0000691 , L0000692 , L0000693 , L0000694 ,
 , L0000696 , L0000697 ,

L0001022 L0000698 , L0000699 , L0000700 , L0001020 , L0001021 ,
 , L0001023 , L0001024 ,

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 33

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

L0001030 L0001025 , L0001026 , L0001027 , L0001028 , L0001029 ,
 , L0001031 , L0001032 ,

L0001038 L0001033 , L0001034 , L0001035 , L0001036 , L0001037 ,
 , L0001039 , L0001040 ,

L0001046 L0001041 , L0001042 , L0001043 , L0001044 , L0001045 ,
 , L0001047 , L0001048 ,

L0001054 L0001049 , L0001050 , L0001051 , L0001052 , L0001053 ,
 , L0001055 , L0001056 ,

L0001062 L0001057 , L0001058 , L0001059 , L0001060 , L0001061 ,
 , L0001063 , L0001064 ,

L0000853 L0001065 , VOL1 , VOL2 , L0000851 , L0000852 ,
 , L0000854 , L0000855 ,

L0000861 L0000856 , L0000857 , L0000858 , L0000859 , L0000860 ,
 , L0000862 , L0000863 ,

L0000869 L0000864 , L0000865 , L0000866 , L0000867 , L0000868 ,
 , L0000870 , L0000871 ,

L0000877 L0000872 , L0000873 , L0000874 , L0000875 , L0000876 ,
 , L0000878 , L0000879 ,

L0000981 L0000976 , L0000977 , L0000978 , L0000979 , L0000980 ,
 , L0000982 , L0000983 ,

 L0000989 L0000984 , L0000985 , L0000986 , L0000987 , L0000988 ,
 , L0000990 , L0000991 ,

 L0000997 L0000992 , L0000993 , L0000994 , L0000995 , L0000996 ,
 , L0000998 , L0000999 ,

 L0001005 L0001000 , L0001001 , L0001002 , L0001003 , L0001004 ,
 , L0001006 , L0001007 ,

 L0001070 L0001008 , L0001066 , L0001067 , L0001068 , L0001069 ,
 , L0001071 , L0001072 ,

 PAREA3 L0001073 , L0001074 , L0001075 , L0001076 , PAREA2 ,
 , PAREA4 ,

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 35

*** MODELOPTs: RegDFault CONC ELEV RURAL

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

SOURCE ID = PAREA1 ; SOURCE TYPE = AREAPOLY :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .1200E+01
 6 .1200E+01 7 .1200E+01 8 .1200E+01
 9 .1200E+01 10 .1200E+01 11 .1200E+01 12 .1200E+01 13 .1200E+01
 14 .1200E+01 15 .1200E+01 16 .1200E+01
 17 .1200E+01 18 .1200E+01 19 .1200E+01 20 .1200E+01 21 .1200E+01
 22 .1200E+01 23 .1200E+01 24 .1200E+01

 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .1200E+01
 6 .1200E+01 7 .1200E+01 8 .1200E+01
 9 .1200E+01 10 .1200E+01 11 .1200E+01 12 .1200E+01 13 .1200E+01
 14 .1200E+01 15 .1200E+01 16 .1200E+01
 17 .1200E+01 18 .1200E+01 19 .1200E+01 20 .1200E+01 21 .1200E+01
 22 .1200E+01 23 .1200E+01 24 .1200E+01

 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .1200E+01
 6 .1200E+01 7 .1200E+01 8 .1200E+01

9 .1200E+01 10 .1200E+01 11 .1200E+01 12 .1200E+01 13 .1200E+01
14 .1200E+01 15 .1200E+01 16 .1200E+01
17 .1200E+01 18 .1200E+01 19 .1200E+01 20 .1200E+01 21 .1200E+01
22 .1200E+01 23 .1200E+01 24 .1200E+01

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 36

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000555 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

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*** 13:59:48

PAGE 37

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

WEEK (HRDOW) *

SOURCE ID = L0000556 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 38

*** MODELOPTs: RegDFault CONC ELEV RURAL

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

SOURCE ID = L0000557 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01

22 .1500E+01 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 39

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000558 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01

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17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 40

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000559 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
  1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
  9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
  1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
  9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
  1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
  9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
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PAGE 41

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000560 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

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 *** 13:59:48

PAGE 42

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000561 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
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 *** 13:59:48

PAGE 43

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000562 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 13:59:48

PAGE 44

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000563 ; 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	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SATURDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SUNDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
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 *** 13:59:48

PAGE 45

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000564 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 46

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000565 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000567 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

▲ *** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 49

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000568 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

```

```

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

```

```

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

```

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 50

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```

SOURCE ID = L0000569 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

```

```

- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

```

```

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01

```

17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 51

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000570 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000571 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000572 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21

*** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 54

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000573 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 55

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000574 ; 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	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	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	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 56

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```
SOURCE ID = L0000575 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .1500E+01  8 .1500E+01
  9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .1500E+01  8 .1500E+01
  9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .1500E+01  8 .1500E+01
  9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
***                                     10/04/21
*** AERMET - VERSION 14134 *** ***
***                                     13:59:48
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PAGE 57

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```
SOURCE ID = L0000576 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .1500E+01  8 .1500E+01
```

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

PAGE 58

[illegible]

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

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  .1500E+01  8  .1500E+01
   9  .1500E+01 10  .1500E+01 11  .1500E+01 12  .1500E+01 13  .1500E+01
14  .1500E+01 15  .1500E+01 16  .1500E+01
   17  .1500E+01 18  .1500E+01 19  .1500E+01 20  .1500E+01 21  .1500E+01
22  .1500E+01 23  .0000E+00 24  .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
   *** 10/04/21
*** AERMET - VERSION 14134 *** ***
   *** 13:59:48

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PAGE 59

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```

SOURCE ID = L0000578 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .1500E+01  8  .1500E+01
   9  .1500E+01 10  .1500E+01 11  .1500E+01 12  .1500E+01 13  .1500E+01
14  .1500E+01 15  .1500E+01 16  .1500E+01
   17  .1500E+01 18  .1500E+01 19  .1500E+01 20  .1500E+01 21  .1500E+01
22  .1500E+01 23  .0000E+00 24  .0000E+00
- - - - - DAY OF WEEK = SATURDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .1500E+01  8  .1500E+01
   9  .1500E+01 10  .1500E+01 11  .1500E+01 12  .1500E+01 13  .1500E+01
14  .1500E+01 15  .1500E+01 16  .1500E+01
   17  .1500E+01 18  .1500E+01 19  .1500E+01 20  .1500E+01 21  .1500E+01
22  .1500E+01 23  .0000E+00 24  .0000E+00
- - - - - DAY OF WEEK = SUNDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .1500E+01  8  .1500E+01
   9  .1500E+01 10  .1500E+01 11  .1500E+01 12  .1500E+01 13  .1500E+01
14  .1500E+01 15  .1500E+01 16  .1500E+01
   17  .1500E+01 18  .1500E+01 19  .1500E+01 20  .1500E+01 21  .1500E+01
22  .1500E+01 23  .0000E+00 24  .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
   *** 10/04/21
*** AERMET - VERSION 14134 *** ***
   *** 13:59:48

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PAGE 60

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000579 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 61

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000580 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01

17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 62

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000581 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01

14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 63

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000582 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 64

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000583 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 65

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000584 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 66

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000585 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01

22 .1500E+01 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 67

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000586 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 68

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000587 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 69

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000588 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

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

```

                                DAY OF WEEK = SUNDAY
      1 .0000E+00      2 .0000E+00      3 .0000E+00      4 .0000E+00      5 .0000E+00
6 .0000E+00      7 .1500E+01      8 .1500E+01
      9 .1500E+01     10 .1500E+01     11 .1500E+01     12 .1500E+01     13 .1500E+01
14 .1500E+01     15 .1500E+01     16 .1500E+01
      17 .1500E+01     18 .1500E+01     19 .1500E+01     20 .1500E+01     21 .1500E+01
22 .1500E+01     23 .0000E+00     24 .0000E+00
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

[illegible]

		DAY OF WEEK = SATURDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

		DAY OF WEEK = SUNDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 71
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000590 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 72
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000591 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21
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*** 13:59:48

PAGE 73

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000592 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01

14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 74

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000593 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 14134 *** ***

*** 13:59:48

PAGE 75

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000594 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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*** 10/04/21

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*** 13:59:48

PAGE 76

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000595 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 77

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000596 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01


```

22 .1500E+01 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7 .1500E+01    8 .1500E+01
    9 .1500E+01   10 .1500E+01   11 .1500E+01   12 .1500E+01   13 .1500E+01
14  .1500E+01   15 .1500E+01   16 .1500E+01
    17 .1500E+01  18 .1500E+01  19 .1500E+01  20 .1500E+01  21 .1500E+01
22  .1500E+01  23 .0000E+00  24 .0000E+00
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PAGE 78

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000597 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7 .1500E+01    8 .1500E+01
    9 .1500E+01   10 .1500E+01   11 .1500E+01   12 .1500E+01   13 .1500E+01
14  .1500E+01   15 .1500E+01   16 .1500E+01
    17 .1500E+01  18 .1500E+01  19 .1500E+01  20 .1500E+01  21 .1500E+01
22  .1500E+01  23 .0000E+00  24 .0000E+00
                                DAY OF WEEK = SATURDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7 .1500E+01    8 .1500E+01
    9 .1500E+01   10 .1500E+01   11 .1500E+01   12 .1500E+01   13 .1500E+01
14  .1500E+01   15 .1500E+01   16 .1500E+01
    17 .1500E+01  18 .1500E+01  19 .1500E+01  20 .1500E+01  21 .1500E+01
22  .1500E+01  23 .0000E+00  24 .0000E+00
                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7 .1500E+01    8 .1500E+01
    9 .1500E+01   10 .1500E+01   11 .1500E+01   12 .1500E+01   13 .1500E+01
14  .1500E+01   15 .1500E+01   16 .1500E+01
    17 .1500E+01  18 .1500E+01  19 .1500E+01  20 .1500E+01  21 .1500E+01
22  .1500E+01  23 .0000E+00  24 .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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                                10/04/21
*** AERMET - VERSION 14134 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000598 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000599 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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^ *** AERMOD - VERSION 19191 ***      *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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                                   13:59:48

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*** MODELOPTs: RegDFault CONC ELEV RURAL

[illegible]

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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

*** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 82

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000601 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

*** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 83

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000602 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 84

*** MODELOPTs: RegDFault CONC ELEV RURAL

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

SOURCE ID = L0000603 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01

14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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PAGE 85

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000604 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01

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*** AERMET - VERSION 14134 ***      ***
      ***                      ***      10/04/21
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                                   13:59:48

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

[illegible]

		DAY OF WEEK = SUNDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

WEEK (HRDOW) *

SOURCE ID = L0000606 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 88

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000607 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01

22 .1500E+01 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

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PAGE 89

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000608 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01

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17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
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*** 13:59:48

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PAGE 90

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000609 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
  HOUR SCALAR HOUR SCALAR HOUR SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .1500E+01 8  .1500E+01
9  .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .1500E+01 8  .1500E+01
9  .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .1500E+01 8  .1500E+01
9  .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
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PAGE 91

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000610 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
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 *** 13:59:48

PAGE 92

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000611 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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*** MODELOPTs: RegDFault CONC ELEV RURAL

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

SOURCE ID = L0000612 ; SOURCE TYPE = VOLUME :									
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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PAGE 94

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000613 ; 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	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SATURDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SUNDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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PAGE 95

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000614 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 96

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000615 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01

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*** 13:59:48

PAGE 98

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000617 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

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*** 13:59:48

PAGE 99

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000618 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

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 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 100

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000619 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01

17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 101

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000620 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000621 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000622 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21

*** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 104

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000623 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
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 *** 13:59:48

PAGE 105

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000624 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 106

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```
SOURCE ID = L0000625 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .1500E+01  8 .1500E+01
  9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .1500E+01  8 .1500E+01
  9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .1500E+01  8 .1500E+01
  9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
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***                               *** 10/04/21
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***                               *** 13:59:48
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PAGE 107

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```
SOURCE ID = L0000626 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .1500E+01  8 .1500E+01
```



```

6  .0000E+00  7  .1500E+01  8  .1500E+01
   9  .1500E+01 10  .1500E+01 11  .1500E+01 12  .1500E+01 13  .1500E+01
14  .1500E+01 15  .1500E+01 16  .1500E+01
   17  .1500E+01 18  .1500E+01 19  .1500E+01 20  .1500E+01 21  .1500E+01
22  .1500E+01 23  .0000E+00 24  .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
   *** 10/04/21
*** AERMET - VERSION 14134 *** ***
   *** 13:59:48

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PAGE 109

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```

SOURCE ID = L0000628 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .1500E+01  8  .1500E+01
   9  .1500E+01 10  .1500E+01 11  .1500E+01 12  .1500E+01 13  .1500E+01
14  .1500E+01 15  .1500E+01 16  .1500E+01
   17  .1500E+01 18  .1500E+01 19  .1500E+01 20  .1500E+01 21  .1500E+01
22  .1500E+01 23  .0000E+00 24  .0000E+00
- - - - - DAY OF WEEK = SATURDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .1500E+01  8  .1500E+01
   9  .1500E+01 10  .1500E+01 11  .1500E+01 12  .1500E+01 13  .1500E+01
14  .1500E+01 15  .1500E+01 16  .1500E+01
   17  .1500E+01 18  .1500E+01 19  .1500E+01 20  .1500E+01 21  .1500E+01
22  .1500E+01 23  .0000E+00 24  .0000E+00
- - - - - DAY OF WEEK = SUNDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .1500E+01  8  .1500E+01
   9  .1500E+01 10  .1500E+01 11  .1500E+01 12  .1500E+01 13  .1500E+01
14  .1500E+01 15  .1500E+01 16  .1500E+01
   17  .1500E+01 18  .1500E+01 19  .1500E+01 20  .1500E+01 21  .1500E+01
22  .1500E+01 23  .0000E+00 24  .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
   *** 10/04/21
*** AERMET - VERSION 14134 *** ***
   *** 13:59:48

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PAGE 110

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000629 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 111

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000630 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01

17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 112

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000631 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01

14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 113

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000632 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 114

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000633 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 115

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000634 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 116

*** MODELOPTs: RegDFault CONC ELEV RURAL

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

SOURCE ID = L0000635 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01

22 .1500E+01 23 .0000E+00 24 .0000E+00
 ^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 117

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000636 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
 ^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 118

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000637 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

*** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 119

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000638 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

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

```

                                DAY OF WEEK = SUNDAY
      1 .0000E+00      2 .0000E+00      3 .0000E+00      4 .0000E+00      5 .0000E+00
6 .0000E+00      7 .1500E+01      8 .1500E+01
      9 .1500E+01     10 .1500E+01     11 .1500E+01     12 .1500E+01     13 .1500E+01
14 .1500E+01     15 .1500E+01     16 .1500E+01
      17 .1500E+01     18 .1500E+01     19 .1500E+01     20 .1500E+01     21 .1500E+01
22 .1500E+01     23 .0000E+00     24 .0000E+00
^ *** AERMOD - VERSION 19191 ***      *** C:\Users\apol1\Desktop\HARP2\IMM\IMM.isc
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                                10/04/21
*** AERMET - VERSION 14134 ***      ***
                                ***
                                13:59:48

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

[illegible]

		DAY OF WEEK = SATURDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

*** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc

*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 121
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000640 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 122
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000641 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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10/04/21
*** AERMET - VERSION 14134 *** ***

13:59:48

PAGE 123

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000642		; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01

14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

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*** 13:59:48

PAGE 124

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000643 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

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*** 13:59:48

PAGE 125

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000644 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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*** 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 126

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000645 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** AERMET - VERSION 14134 *** ***
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PAGE 127

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000646 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01

```

22 .1500E+01 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7   .1500E+01    8   .1500E+01
    9   .1500E+01   10   .1500E+01   11   .1500E+01   12   .1500E+01   13   .1500E+01
14  .1500E+01   15   .1500E+01   16   .1500E+01
    17  .1500E+01   18   .1500E+01   19   .1500E+01   20   .1500E+01   21   .1500E+01
22  .1500E+01   23   .0000E+00   24   .0000E+00
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                                10/04/21
*** AERMET - VERSION 14134 *** ***
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                                13:59:48

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PAGE 128

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000647 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7   .1500E+01    8   .1500E+01
    9   .1500E+01   10   .1500E+01   11   .1500E+01   12   .1500E+01   13   .1500E+01
14  .1500E+01   15   .1500E+01   16   .1500E+01
    17  .1500E+01   18   .1500E+01   19   .1500E+01   20   .1500E+01   21   .1500E+01
22  .1500E+01   23   .0000E+00   24   .0000E+00
                                DAY OF WEEK = SATURDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7   .1500E+01    8   .1500E+01
    9   .1500E+01   10   .1500E+01   11   .1500E+01   12   .1500E+01   13   .1500E+01
14  .1500E+01   15   .1500E+01   16   .1500E+01
    17  .1500E+01   18   .1500E+01   19   .1500E+01   20   .1500E+01   21   .1500E+01
22  .1500E+01   23   .0000E+00   24   .0000E+00
                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7   .1500E+01    8   .1500E+01
    9   .1500E+01   10   .1500E+01   11   .1500E+01   12   .1500E+01   13   .1500E+01
14  .1500E+01   15   .1500E+01   16   .1500E+01
    17  .1500E+01   18   .1500E+01   19   .1500E+01   20   .1500E+01   21   .1500E+01
22  .1500E+01   23   .0000E+00   24   .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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                                10/04/21
*** AERMET - VERSION 14134 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000648 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000649 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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^ *** AERMOD - VERSION 19191 ***      *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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*** AERMET - VERSION 14134 ***      ***
      ***                      ***      10/04/21
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                                   13:59:48

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PAGE 131

*** MODELOPTs: RegDFault CONC ELEV RURAL

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

DAY OF WEEK = WEEKDAY

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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 132

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000651 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 133

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000652 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 134

*** MODELOPTs: RegDFault CONC ELEV RURAL

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

SOURCE ID = L0000653 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01

14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 135

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000654 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

[illegible]

		DAY OF WEEK = SATURDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

WEEK (HRDOW) *

SOURCE ID = L0000656 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 138

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000657 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01

22 .1500E+01 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
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 *** 13:59:48

PAGE 139

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000658 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01

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17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 140

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000659 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
  HOUR SCALAR HOUR SCALAR HOUR SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .1500E+01 8  .1500E+01
9  .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .1500E+01 8  .1500E+01
9  .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .1500E+01 8  .1500E+01
9  .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 141

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000660 ; 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	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 142

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000661 ; 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	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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10/04/21

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PAGE 143

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*** MODELOPTs:  RegDFault  CONC  ELEV  RURAL
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000662 ; SOURCE TYPE = VOLUME :									
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 144

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000663 ; 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	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SATURDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SUNDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 145

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000664 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 146

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000665 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 148

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000667 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 149

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000668 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 150

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000669 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01

17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 151

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000670 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

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*** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000671 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000672 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21

*** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 154

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000673 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 155

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000149 ; 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	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 156

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```
SOURCE ID = L0000150 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
      1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6  .0000E+00   7 .0000E+00   8 .6000E+01
      9 .6000E+01  10 .6000E+01  11 .6000E+01  12 .0000E+00  13 .0000E+00
14 .0000E+00  15 .0000E+00  16 .0000E+00
      17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00
                                DAY OF WEEK = SATURDAY
      1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6  .0000E+00   7 .0000E+00   8 .6000E+01
      9 .6000E+01  10 .6000E+01  11 .6000E+01  12 .0000E+00  13 .0000E+00
14 .0000E+00  15 .0000E+00  16 .0000E+00
      17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00
                                DAY OF WEEK = SUNDAY
      1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6  .0000E+00   7 .0000E+00   8 .6000E+01
      9 .6000E+01  10 .6000E+01  11 .6000E+01  12 .0000E+00  13 .0000E+00
14 .0000E+00  15 .0000E+00  16 .0000E+00
      17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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                                10/04/21
*** AERMET - VERSION 14134 *** ***
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PAGE 157

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```
SOURCE ID = L0000151 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
      1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6  .0000E+00   7 .0000E+00   8 .6000E+01
```

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

PAGE 158

DAY OF WEEK = WEEKDAY

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  .6000E+01
   9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***      10/04/21
*** AERMET - VERSION 14134 *** ***
                        ***      13:59:48

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PAGE 159

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```

SOURCE ID = L0000153 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
   1  .0000E+00   2  .0000E+00   3  .0000E+00   4  .0000E+00   5  .0000E+00
6  .0000E+00   7  .0000E+00   8  .6000E+01
   9  .6000E+01  10  .6000E+01  11  .6000E+01  12  .0000E+00  13  .0000E+00
14  .0000E+00  15  .0000E+00  16  .0000E+00
   17  .0000E+00  18  .0000E+00  19  .0000E+00  20  .0000E+00  21  .0000E+00
22  .0000E+00  23  .0000E+00  24  .0000E+00
- - - - - DAY OF WEEK = SATURDAY
   1  .0000E+00   2  .0000E+00   3  .0000E+00   4  .0000E+00   5  .0000E+00
6  .0000E+00   7  .0000E+00   8  .6000E+01
   9  .6000E+01  10  .6000E+01  11  .6000E+01  12  .0000E+00  13  .0000E+00
14  .0000E+00  15  .0000E+00  16  .0000E+00
   17  .0000E+00  18  .0000E+00  19  .0000E+00  20  .0000E+00  21  .0000E+00
22  .0000E+00  23  .0000E+00  24  .0000E+00
- - - - - DAY OF WEEK = SUNDAY
   1  .0000E+00   2  .0000E+00   3  .0000E+00   4  .0000E+00   5  .0000E+00
6  .0000E+00   7  .0000E+00   8  .6000E+01
   9  .6000E+01  10  .6000E+01  11  .6000E+01  12  .0000E+00  13  .0000E+00
14  .0000E+00  15  .0000E+00  16  .0000E+00
   17  .0000E+00  18  .0000E+00  19  .0000E+00  20  .0000E+00  21  .0000E+00
22  .0000E+00  23  .0000E+00  24  .0000E+00
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PAGE 160

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000154 ; 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 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 13:59:48

PAGE 161

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000155 ; 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 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00

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

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 162

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000156 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00

14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 163

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000157 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 164

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000158 ; 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 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 165

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000159 ; 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 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 166

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000160 ; 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	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
						21	.0000E+00		

22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 167

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000161 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 168

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000162 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** 10/04/21

*** AERMET - VERSION 14134 ***

13:59:48

PAGE 169

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000163 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

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

```

                                DAY OF WEEK = SUNDAY
      1  .0000E+00      2  .0000E+00      3  .0000E+00      4  .0000E+00      5  .0000E+00
6  .0000E+00      7  .0000E+00      8  .6000E+01
      9  .6000E+01     10  .6000E+01     11  .6000E+01     12  .0000E+00     13  .0000E+00
14  .0000E+00     15  .0000E+00     16  .0000E+00
      17  .0000E+00     18  .0000E+00     19  .0000E+00     20  .0000E+00     21  .0000E+00
22  .0000E+00     23  .0000E+00     24  .0000E+00
^ *** AERMOD - VERSION 19191 ***      *** C:\Users\apol1\Desktop\HARP2\IMM\IMM.isc
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                                10/04/21
*** AERMET - VERSION 14134 ***      ***
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                                13:59:48

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

[illegible]

		DAY OF WEEK = SATURDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 171
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000165 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 172
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000166 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 173

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000167 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 174

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000168 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***

*** 13:59:48

PAGE 175

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000169 ; 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	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** 10/04/21

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*** 13:59:48

PAGE 176

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000170 ; 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	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 13:59:48

PAGE 177

*** MODELOPTs: RegDFault CONC ELEV RURAL

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

SOURCE ID = L0000171 ; 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	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
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
                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7 .0000E+00    8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00
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PAGE 178

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000172 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR

```

```

                                DAY OF WEEK = WEEKDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7 .0000E+00    8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00

```

```

                                DAY OF WEEK = SATURDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7 .0000E+00    8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00

```

```

                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7 .0000E+00    8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00
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                                10/04/21
*** AERMET - VERSION 14134 *** ***
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                                13:59:48

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000173 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000174 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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^ *** AERMOD - VERSION 19191 ***      *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                                     ***      10/04/21
*** AERMET - VERSION 14134 ***      ***
                                     ***      13:59:48

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PAGE 181

*** MODELOPTs: RegDFault CONC ELEV RURAL

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

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SOURCE ID = L0000175 ; SOURCE TYPE = VOLUME :									
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 182

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000176 ; 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	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 183

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000177 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 184

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000178 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00

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

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 185

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000179 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01


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*** MODELOPTs:      RegDFault  CONC  ELEV  RURAL
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[illegible]

		DAY OF WEEK = SATURDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

WEEK (HRDOW) *

SOURCE ID = L0000181 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 188

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000182 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 189

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000183 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 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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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 190

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000184 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
  HOUR SCALAR HOUR SCALAR HOUR SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .0000E+00 8  .6000E+01
9  .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .0000E+00 8  .6000E+01
9  .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .0000E+00 8  .6000E+01
9  .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 191

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000185 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 192

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000186 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 193

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000187 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
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 *** 13:59:48

PAGE 194

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000188 ; 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	.6000E+01	9	.6000E+01	10	.6000E+01
11	.6000E+01	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

DAY OF WEEK = 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	.6000E+01	9	.6000E+01	10	.6000E+01
11	.6000E+01	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

DAY OF WEEK = 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	.6000E+01	9	.6000E+01	10	.6000E+01
11	.6000E+01	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

DAY OF WEEK = 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	.6000E+01	9	.6000E+01	10	.6000E+01
11	.6000E+01	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

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 *** 13:59:48

PAGE 195

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000189 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 196

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000190 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 198

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000192 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

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*** 13:59:48

PAGE 199

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000193 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

```

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DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
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PAGE 200

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000194 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

```

```

- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

```

```

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

```

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

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*** 13:59:48

PAGE 201

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000195 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000196 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000197 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21

*** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 204

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000198 ; 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	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
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 *** 13:59:48

PAGE 205

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000199 ; 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	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 206

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000200 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 207

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000201 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				

DAY OF WEEK = SATURDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** MODELOPTs: RegDFault CONC ELEV RURAL

[illegible]

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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

```

6  .0000E+00  7  .0000E+00  8  .6000E+01
   9  .6000E+01 10  .6000E+01 11  .6000E+01 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
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   *** 10/04/21
*** AERMET - VERSION 14134 *** ***
   *** 13:59:48

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PAGE 209

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```

SOURCE ID = L0000203 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .0000E+00  8  .6000E+01
   9  .6000E+01 10  .6000E+01 11  .6000E+01 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
- - - - - DAY OF WEEK = SATURDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .0000E+00  8  .6000E+01
   9  .6000E+01 10  .6000E+01 11  .6000E+01 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
- - - - - DAY OF WEEK = SUNDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .0000E+00  8  .6000E+01
   9  .6000E+01 10  .6000E+01 11  .6000E+01 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
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   *** 10/04/21
*** AERMET - VERSION 14134 *** ***
   *** 13:59:48

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PAGE 210

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000204 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
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*** 13:59:48

PAGE 211

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000205 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

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

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 212

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000206 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 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
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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 213

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```

SOURCE ID = L0000207 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
  HOUR SCALAR HOUR SCALAR HOUR SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
      1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
      9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
      17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
      1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
      9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
      17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
      1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
      9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
      17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 214

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000208 ; 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 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 215

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000209 ; 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 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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10/04/21

*** AERMET - VERSION 14134 *** ***

13:59:48

PAGE 216

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000210 ; 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	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 217

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000211 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 ^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 218

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000212 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 219

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000213 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

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

```

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

[illegible]

		DAY OF WEEK = SATURDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** 10/04/21
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*** 13:59:48

PAGE 221
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000215 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 222
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000216 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 223

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000217 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

```

```

- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

```

```

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00

```

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 224

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000218 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

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*** 13:59:48

PAGE 225

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000219 ; 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	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** 10/04/21

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*** 13:59:48

PAGE 226

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000220 ; 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	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 227

*** MODELOPTs: RegDFault CONC ELEV RURAL

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

SOURCE ID = L0000221 ; 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	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00

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22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6  .0000E+00    7 .0000E+00    8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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                                10/04/21
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PAGE 228

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```

SOURCE ID = L0000222 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6  .0000E+00    7 .0000E+00    8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00
                                DAY OF WEEK = SATURDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6  .0000E+00    7 .0000E+00    8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00
                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6  .0000E+00    7 .0000E+00    8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                                ***
                                10/04/21
*** AERMET - VERSION 14134 *** ***
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                                13:59:48

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000223 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000224 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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PAGE 231

*** MODELOPTs: RegDFault CONC ELEV RURAL

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

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SOURCE ID = L000225 ; SOURCE TYPE = VOLUME :									
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
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 *** 13:59:48

PAGE 232

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L000226 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 233

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000227 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 234

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000228 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00

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

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 235

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L000229 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

[illegible]

		DAY OF WEEK = SUNDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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^ *** AERMOD - VERSION 19191 ***      *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

WEEK (HRDOW) *

SOURCE ID = L0000231 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 238

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000232 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 239

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000233 ; 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 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 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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*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 240

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000234 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
  HOUR SCALAR HOUR SCALAR HOUR SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .0000E+00 8  .6000E+01
9  .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .0000E+00 8  .6000E+01
9  .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .0000E+00 8  .6000E+01
9  .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 241

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000235 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 242

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000236 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
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 *** 13:59:48

PAGE 243

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000237 ; 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	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 13:59:48

PAGE 244

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000238 ; 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	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SATURDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SUNDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
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 *** 13:59:48

PAGE 245

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000239 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 246

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000240 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 248

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000242 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 249

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000243 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

```

```

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

```

```

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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PAGE 250

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```

SOURCE ID = L0000244 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

```

```

- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

```

```

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

```


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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 251

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000245 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000246 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000247 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 254

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000248 ; 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	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
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PAGE 255

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000249 ; 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	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
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 *** 13:59:48

PAGE 256

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000250 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** 10/04/21
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*** 13:59:48

PAGE 257

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000251 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

PAGE 258

[illegible]

DAY OF WEEK = WEEKDAY

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  .6000E+01
   9  .6000E+01 10  .6000E+01 11  .6000E+01 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
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   *** 13:59:48

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PAGE 259

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```

SOURCE ID = L0000253 ; 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  .6000E+01
   9  .6000E+01 10  .6000E+01 11  .6000E+01 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
- - - - - DAY OF WEEK = SATURDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .0000E+00  8  .6000E+01
   9  .6000E+01 10  .6000E+01 11  .6000E+01 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
- - - - - DAY OF WEEK = SUNDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .0000E+00  8  .6000E+01
   9  .6000E+01 10  .6000E+01 11  .6000E+01 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
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PAGE 260

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000254 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 261

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000255 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

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

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 262

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000256 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 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
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*** 13:59:48

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PAGE 263

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000257 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
  HOUR SCALAR HOUR SCALAR HOUR SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
      1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
      9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
      17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
      1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
      9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
      17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
      1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
      9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
      17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 264

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000258 ; 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 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 265

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000259 ; 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 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** 10/04/21

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*** 13:59:48

PAGE 266

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000260 ; 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	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
						21	.0000E+00		

22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 267

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000261 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
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 *** 13:59:48

PAGE 268

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000262 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = SUNDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

[illegible]

		DAY OF WEEK = SATURDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

		DAY OF WEEK = SUNDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 271
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000265 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 272
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000266 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 273

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000267 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 274

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000268 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***

*** 13:59:48

PAGE 275

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000269 ; 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	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 276

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000270 ; 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	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 10/04/21
 *** AERMET - VERSION 14134 ***
 13:59:48

PAGE 277

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000271 ; 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	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.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	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
						21	.0000E+00		

```

22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6  .0000E+00    7 .0000E+00    8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                                ***
                                10/04/21
*** AERMET - VERSION 14134 *** ***
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                                13:59:48

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PAGE 278

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000272 ; 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 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00

```

```

                                DAY OF WEEK = SATURDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6  .0000E+00    7 .0000E+00    8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00

```

```

                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6  .0000E+00    7 .0000E+00    8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                                ***
                                10/04/21
*** AERMET - VERSION 14134 *** ***
                                ***
                                13:59:48

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000273 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000274 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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  *** AERMOD - VERSION 19191 ***
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PAGE 281

SOURCE ID = L0000275 ; 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

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

SOURCE ID = L0000277 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 284

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000278 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00

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

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
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*** 13:59:48

PAGE 285

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000279 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01

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^ *** AERMOD - VERSION 19191 ***      *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

[illegible]

		DAY OF WEEK = SUNDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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^ *** AERMOD - VERSION 19191 ***      *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
      ***                      10/04/21
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

WEEK (HRDOW) *

SOURCE ID = L0000281 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 288

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000282 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 289

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000283 ; 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 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 290

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000284 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 291

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000285 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 292

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000286 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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PAGE 293

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*** MODELOPTs:      RegDFault  CONC  ELEV  RURAL
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```

SOURCE ID = L0000287 ; SOURCE TYPE = VOLUME :									
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
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 *** 13:59:48

PAGE 294

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000288 ; 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	.6000E+01	9	.6000E+01	10	.6000E+01
11	.6000E+01	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

DAY OF WEEK = 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	.6000E+01	9	.6000E+01	10	.6000E+01
11	.6000E+01	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

DAY OF WEEK = 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	.6000E+01	9	.6000E+01	10	.6000E+01
11	.6000E+01	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

DAY OF WEEK = 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	.6000E+01	9	.6000E+01	10	.6000E+01
11	.6000E+01	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

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 *** 13:59:48

PAGE 295

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000289 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 296

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L000290 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 298

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000292 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 299

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000293 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 300

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000294 ; 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 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 301

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000295 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000296 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000297 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21

*** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 304

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000298 ; 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	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 305

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000299 ; 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	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 306

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```
SOURCE ID = L0000300 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .6000E+01
  9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .6000E+01
  9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .6000E+01
  9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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***                                     10/04/21
*** AERMET - VERSION 14134 *** ***
***                                     13:59:48
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PAGE 307

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```
SOURCE ID = L0000301 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .6000E+01
```



```

6  .0000E+00  7  .0000E+00  8  .6000E+01
   9  .6000E+01 10  .6000E+01 11  .6000E+01 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
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   ***                  ***      13:59:48

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PAGE 309

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```

SOURCE ID = L0000303 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .0000E+00  8  .6000E+01
   9  .6000E+01 10  .6000E+01 11  .6000E+01 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
- - - - - DAY OF WEEK = SATURDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .0000E+00  8  .6000E+01
   9  .6000E+01 10  .6000E+01 11  .6000E+01 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
- - - - - DAY OF WEEK = SUNDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .0000E+00  8  .6000E+01
   9  .6000E+01 10  .6000E+01 11  .6000E+01 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
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PAGE 310

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000304 ; 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 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 311

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000305 ; 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 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00

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

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 312

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000306 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00

14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 313

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000307 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 314

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000308 ; 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 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 315

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000309 ; 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 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 316

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000310 ; 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	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 13:59:48

PAGE 317

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000311 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 318

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000312 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** 10/04/21

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*** 13:59:48

PAGE 319

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000313 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

SOURCE ID = L0000314 ; SOURCE TYPE = VOLUME :

.....

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 321
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000315 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 322
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000316 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 323

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000317 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 324

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000318 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***

*** 13:59:48

PAGE 325

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000319 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 326

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000320 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 327

*** MODELOPTs: RegDFault CONC ELEV RURAL

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

SOURCE ID = L0000321 ; SOURCE TYPE = VOLUME ;
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
						21	.0000E+00		

```

22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7 .0000E+00    8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14  .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22  .0000E+00  23 .0000E+00  24 .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                                ***
                                10/04/21
*** AERMET - VERSION 14134 *** ***
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                                13:59:48

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PAGE 328

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```

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

```

```

                                DAY OF WEEK = WEEKDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7 .0000E+00    8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14  .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22  .0000E+00  23 .0000E+00  24 .0000E+00

```

```

                                DAY OF WEEK = SATURDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7 .0000E+00    8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14  .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22  .0000E+00  23 .0000E+00  24 .0000E+00

```

```

                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7 .0000E+00    8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14  .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22  .0000E+00  23 .0000E+00  24 .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                                ***
                                10/04/21
*** AERMET - VERSION 14134 *** ***
                                ***
                                13:59:48

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000323 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000324 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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                                     ***      13:59:48

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*** MODELOPTs: RegDFault CONC ELEV RURAL

[illegible]

DAY OF WEEK = WEEKDAY

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	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
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PAGE 332

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000326 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 13:59:48

PAGE 333

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000327 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 334

*** MODELOPTs: RegDFault CONC ELEV RURAL

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

SOURCE ID = L0000328 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00

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

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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*** 13:59:48

PAGE 335

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01

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^ *** AERMOD - VERSION 19191 ***      *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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*** AERMET - VERSION 14134 ***      ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

[illegible]

		DAY OF WEEK = SUNDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

WEEK (HRDOW) *

```
SOURCE ID = L0000331      ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
- - - - - DAY OF WEEK = SATURDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
- - - - - DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
***                               *** 10/04/21
*** AERMET - VERSION 14134 *** ***
***                               *** 13:59:48
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PAGE 338

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```
SOURCE ID = L0000332      ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6 .0000E+00    7 .0000E+00    8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
```

22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 339

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000333 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 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 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 340

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```

SOURCE ID = L0000334 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
  HOUR SCALAR HOUR SCALAR HOUR SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .0000E+00 8  .6000E+01
9  .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .0000E+00 8  .6000E+01
9  .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .0000E+00 8  .6000E+01
9  .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 341

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000335 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
 - - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 342

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000336 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
 - - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** 13:59:48
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PAGE 343

*** MODELOPTs: RegDFault CONC ELEV RURAL

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

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SOURCE ID = L0000337 ; SOURCE TYPE = VOLUME :									
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 13:59:48

PAGE 344

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000338 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 13:59:48

PAGE 345

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000339 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 346

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000340 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01

```

                                DAY OF WEEK = SUNDAY
      1 .0000E+00      2 .0000E+00      3 .0000E+00      4 .0000E+00      5 .0000E+00
6 .0000E+00      7 .0000E+00      8 .6000E+01
      9 .6000E+01     10 .6000E+01     11 .6000E+01     12 .0000E+00     13 .0000E+00
14 .0000E+00     15 .0000E+00     16 .0000E+00
      17 .0000E+00     18 .0000E+00     19 .0000E+00     20 .0000E+00     21 .0000E+00
22 .0000E+00     23 .0000E+00     24 .0000E+00
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*** MODELOPTs: RegDFault CONC ELEV RURAL

[illegible]

		DAY OF WEEK = SATURDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 348

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000342 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 349

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000343 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 350

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000344 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 351

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000345 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000346 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000347 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21

*** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 354

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000348 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
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 *** 13:59:48

PAGE 355

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000349 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
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 *** 13:59:48

PAGE 356

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000350 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** 10/04/21
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*** 13:59:48

PAGE 357

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000351 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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PAGE 358

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000352 ; SOURCE TYPE = VOLUME :									
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				
- - - - -		- - - - -		- - - - -		- - - - -		- - - - -	
- - - - -		- - - - -		- - - - -		- - - - -		- - - - -	

DAY OF WEEK = WEEKDAY

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  .6000E+01
   9  .6000E+01 10  .6000E+01 11  .6000E+01 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
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   *** 10/04/21
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   *** 13:59:48

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PAGE 359

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```

SOURCE ID = L0000353 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .0000E+00  8  .6000E+01
   9  .6000E+01 10  .6000E+01 11  .6000E+01 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
- - - - - DAY OF WEEK = SATURDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .0000E+00  8  .6000E+01
   9  .6000E+01 10  .6000E+01 11  .6000E+01 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
- - - - - DAY OF WEEK = SUNDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .0000E+00  8  .6000E+01
   9  .6000E+01 10  .6000E+01 11  .6000E+01 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
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   *** 13:59:48

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PAGE 360

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000354 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 361

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000355 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00

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

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 362

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000356 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00

14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 363

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000357 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 364

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000358 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 365

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000359 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 366

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000360 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
						21	.0000E+00		

22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** 10/04/21
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*** 13:59:48

PAGE 367

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000361 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 368

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000362 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 369

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000363 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

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


```

                                DAY OF WEEK = SUNDAY
      1 .0000E+00      2 .0000E+00      3 .0000E+00      4 .0000E+00      5 .0000E+00
6 .0000E+00      7 .0000E+00      8 .6000E+01
      9 .6000E+01     10 .6000E+01     11 .6000E+01     12 .0000E+00     13 .0000E+00
14 .0000E+00     15 .0000E+00     16 .0000E+00
      17 .0000E+00     18 .0000E+00     19 .0000E+00     20 .0000E+00     21 .0000E+00
22 .0000E+00     23 .0000E+00     24 .0000E+00
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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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	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 371
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000365 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 372
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000366 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

```

```

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 373

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000367 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

```

```

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00

```

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 374

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000368 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***

*** 13:59:48

PAGE 375

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000369 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 376

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000370 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 377

*** MODELOPTs: RegDFault CONC ELEV RURAL

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

SOURCE ID = L0000371 ; 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	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	
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
                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7 .0000E+00    8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00
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                                10/04/21
*** AERMET - VERSION 14134 *** ***
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PAGE 378

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000372 ; 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 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00

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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 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00

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                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7 .0000E+00    8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000373 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000374 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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PAGE 381

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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DAY OF WEEK = WEEKDAY

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	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 382

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000376 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 383

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000377 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
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*** 13:59:48

PAGE 384

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000378 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00

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

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 385

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000379 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

[illegible]

		DAY OF WEEK = SUNDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

WEEK (HRDOW) *

SOURCE ID = L0000381 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 388

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000382 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 389

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000383 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 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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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 390

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000384 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
  HOUR SCALAR HOUR SCALAR HOUR SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .0000E+00 8  .6000E+01
9  .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .0000E+00 8  .6000E+01
9  .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .0000E+00 8  .6000E+01
9  .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 391

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000385 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
 - - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
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PAGE 392

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000386 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
 - - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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PAGE 393

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000387 ; 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	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** 13:59:48

PAGE 394

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000388 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 395

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000389 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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PAGE 396

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000390 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 398

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000392 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 399

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000393 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

```

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DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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PAGE 400

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```

SOURCE ID = L0000394 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

```

```

- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

```

```

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

```

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 401

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000395 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000396 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000397 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21

*** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 404

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000398 ; 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	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 405

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000399 ; 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	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 406

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000400 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 407

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000401 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01				

		DAY OF WEEK = SATURDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** MODELOPTs:      RegDFault  CONC  ELEV  RURAL
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SOURCE ID = L0000402				SOURCE TYPE = VOLUME					
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

		DAY OF WEEK = WEEKDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.6000E+01					
	9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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

```

6  .0000E+00  7  .0000E+00  8  .6000E+01
   9  .6000E+01 10  .6000E+01 11  .6000E+01 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
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*** AERMET - VERSION 14134 *** ***
   *** 13:59:48

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PAGE 409

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000403 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .0000E+00  8  .6000E+01
   9  .6000E+01 10  .6000E+01 11  .6000E+01 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
- - - - - DAY OF WEEK = SATURDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .0000E+00  8  .6000E+01
   9  .6000E+01 10  .6000E+01 11  .6000E+01 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
- - - - - DAY OF WEEK = SUNDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .0000E+00  8  .6000E+01
   9  .6000E+01 10  .6000E+01 11  .6000E+01 12  .0000E+00 13  .0000E+00
14  .0000E+00 15  .0000E+00 16  .0000E+00
   17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
   *** 10/04/21
*** AERMET - VERSION 14134 *** ***
   *** 13:59:48

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PAGE 410

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000404 ; 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 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 411

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000405 ; 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 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00

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

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 412

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000406 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00

14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 413

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000407 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .6000E+01
 9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 414

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000408 ; 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 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 415

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000409 ; 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 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	
14	.2000E+01	15	.2000E+01	16	.2000E+01				
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	
14	.2000E+01	15	.2000E+01	16	.2000E+01				
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 416

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000410 ; 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	.2000E+01				
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	
14	.2000E+01	15	.2000E+01	16	.2000E+01				
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	
14	.2000E+01	15	.2000E+01	16	.2000E+01				
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	
14	.2000E+01	15	.2000E+01	16	.2000E+01				
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	
						21	.0000E+00		

22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 13:59:48

PAGE 417

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000411 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 418

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000412 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 419

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000413 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

[illegible]

		DAY OF WEEK = WEEKDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

		DAY OF WEEK = SATURDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

		DAY OF WEEK = SUNDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** 10/04/21
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*** 13:59:48

PAGE 421
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000415 ; 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 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 422
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000416 ; 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	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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10/04/21
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13:59:48

PAGE 423

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000417		; SOURCE TYPE = VOLUME		:					
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

- - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01

14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 424

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000418 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

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*** 13:59:48

PAGE 425

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000419 ; 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	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 426

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000420 ; 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	.2000E+01				
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	
14	.2000E+01	15	.2000E+01	16	.2000E+01				
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	
14	.2000E+01	15	.2000E+01	16	.2000E+01				
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	
14	.2000E+01	15	.2000E+01	16	.2000E+01				
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 427

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000421 ; 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	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	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	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 428

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000422 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
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*** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000423 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000424 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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PAGE 431

*** MODELOPTs: RegDFault CONC ELEV RURAL

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

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SOURCE ID = L0000425 ; SOURCE TYPE = VOLUME :									
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 432

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000426 ; 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	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 433

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000427 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 434

*** MODELOPTs: RegDFault CONC ELEV RURAL

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

SOURCE ID = L0000428 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01

14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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PAGE 435

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000429 ; 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 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

[illegible]

		DAY OF WEEK = SUNDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

WEEK (HRDOW) *

SOURCE ID = L0000431 ; 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 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
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*** 13:59:48

PAGE 438

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000432 ; 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 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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PAGE 439

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000433 ; 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 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01

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17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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PAGE 440

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000434 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
  HOUR SCALAR HOUR SCALAR HOUR SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .0000E+00 8  .2000E+01
9  .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .0000E+00 8  .2000E+01
9  .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .0000E+00 8  .2000E+01
9  .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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PAGE 441

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000435 ; 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 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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PAGE 442

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000436 ; 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 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 13:59:48

PAGE 443

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000437 ; 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	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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PAGE 444

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000438 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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PAGE 445

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000439 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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PAGE 446

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000440 ; 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 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 448

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000442 ; 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 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 449

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000443 ; 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 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 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 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

```

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DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 450

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```

SOURCE ID = L0000444 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

```

```

- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

```

```

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01

```

17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 451

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000445 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000446 ; 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	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000447 ; 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	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21

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 *** 13:59:48

PAGE 454

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000448 ; 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	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 455

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000449 ; 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	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	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	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 456

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```
SOURCE ID = L0000450 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .2000E+01
  9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .2000E+01
  9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .2000E+01
  9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
***                               *** 10/04/21
*** AERMET - VERSION 14134 *** ***
***                               *** 13:59:48
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PAGE 457

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```
SOURCE ID = L0000451 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .2000E+01
```



```

6  .0000E+00  7  .0000E+00  8  .2000E+01
   9  .2000E+01 10  .2000E+01 11  .2000E+01 12  .2000E+01 13  .2000E+01
14  .2000E+01 15  .2000E+01 16  .2000E+01
   17  .2000E+01 18  .2000E+01 19  .2000E+01 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
   *** 10/04/21
*** AERMET - VERSION 14134 *** ***
   *** 13:59:48

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PAGE 459

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```

SOURCE ID = L0000453 ; 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  .2000E+01
   9  .2000E+01 10  .2000E+01 11  .2000E+01 12  .2000E+01 13  .2000E+01
14  .2000E+01 15  .2000E+01 16  .2000E+01
   17  .2000E+01 18  .2000E+01 19  .2000E+01 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
- - - - - DAY OF WEEK = SATURDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .0000E+00  8  .2000E+01
   9  .2000E+01 10  .2000E+01 11  .2000E+01 12  .2000E+01 13  .2000E+01
14  .2000E+01 15  .2000E+01 16  .2000E+01
   17  .2000E+01 18  .2000E+01 19  .2000E+01 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
- - - - - DAY OF WEEK = SUNDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .0000E+00  8  .2000E+01
   9  .2000E+01 10  .2000E+01 11  .2000E+01 12  .2000E+01 13  .2000E+01
14  .2000E+01 15  .2000E+01 16  .2000E+01
   17  .2000E+01 18  .2000E+01 19  .2000E+01 20  .0000E+00 21  .0000E+00
22  .0000E+00 23  .0000E+00 24  .0000E+00
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   *** 10/04/21
*** AERMET - VERSION 14134 *** ***
   *** 13:59:48

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PAGE 460

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000454 ; 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 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 461

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000455 ; 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 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01

17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 462

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000456 ; 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 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01

14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 463

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000457 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 464

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000458 ; 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 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 465

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000459 ; 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 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	
14	.2000E+01	15	.2000E+01	16	.2000E+01				
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	
14	.2000E+01	15	.2000E+01	16	.2000E+01				
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 466

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000460 ; 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	.2000E+01				
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	
14	.2000E+01	15	.2000E+01	16	.2000E+01				
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	
14	.2000E+01	15	.2000E+01	16	.2000E+01				
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	
14	.2000E+01	15	.2000E+01	16	.2000E+01				
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	
						21	.0000E+00		

22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 467

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000461 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .2000E+01
 9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
 14 .2000E+01 15 .2000E+01 16 .2000E+01
 17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 468

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000462 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 469

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000463 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

[illegible]

		DAY OF WEEK = WEEKDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

		DAY OF WEEK = SATURDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

		DAY OF WEEK = SUNDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01					
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01					
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 471
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000465 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 472
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000466 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 473

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000467 ; 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 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01

14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 474

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000468 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***

*** 13:59:48

PAGE 475

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000469 ; 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	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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*** 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 476

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000470 ; 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	.2000E+01				
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	
14	.2000E+01	15	.2000E+01	16	.2000E+01				
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	
14	.2000E+01	15	.2000E+01	16	.2000E+01				
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	
14	.2000E+01	15	.2000E+01	16	.2000E+01				
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 477

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000471 ; 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	.2000E+01				
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	
14	.2000E+01	15	.2000E+01	16	.2000E+01				
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
	9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	
14	.2000E+01	15	.2000E+01	16	.2000E+01				
	17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	
						21	.0000E+00		

22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 478

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000472 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .2000E+01
9 .2000E+01 10 .2000E+01 11 .2000E+01 12 .2000E+01 13 .2000E+01
14 .2000E+01 15 .2000E+01 16 .2000E+01
17 .2000E+01 18 .2000E+01 19 .2000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** AERMET - VERSION 14134 *** ***
*** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000473 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000474 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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                                     *** 10/04/21

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PAGE 481

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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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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 482

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000476 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

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

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 483

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000477 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .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 14134 *** ***
*** 13:59:48

PAGE 484

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000478 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01

14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .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 14134 *** ***
*** 13:59:48

PAGE 485

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000479 ; 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 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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

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*** 13:59:48

PAGE 486

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000480 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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*** 13:59:48

PAGE 487

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

WEEK (HRDOW) *

SOURCE ID = L0000481 ; 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 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .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 14134 ***
*** 13:59:48

PAGE 488

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000482 ; 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 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 489

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000483 ; 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 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
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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PAGE 490

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000484 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
      1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6  .0000E+00  7 .0000E+00  8 .4500E+01
  9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
      1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6  .0000E+00  7 .0000E+00  8 .4500E+01
  9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
      1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6  .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .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 14134 *** ***
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PAGE 491

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000485 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .4500E+01
 9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
 14 .4500E+01 15 .4500E+01 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .4500E+01
 9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
 14 .4500E+01 15 .4500E+01 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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 *** 13:59:48

PAGE 492

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000486 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .4500E+01
 9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
 14 .4500E+01 15 .4500E+01 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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 *** 13:59:48

PAGE 493

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000487 ; 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	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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 *** 13:59:48

PAGE 494

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000488 ; 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	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SATURDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SUNDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
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 *** 13:59:48

PAGE 495

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000489 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .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 14134 *** ***
*** 13:59:48

PAGE 496

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000490 ; 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 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 498

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000492 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 499

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000493 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

```

- - - - -
DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .4500E+01
  9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .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 .4500E+01
  9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .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 = SUNDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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PAGE 500

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000494 ; 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 .4500E+01
  9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

```

```

DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .4500E+01
  9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00

```

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

DAY OF WEEK = SUNDAY

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

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*** 13:59:48

PAGE 501

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000495 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000496 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000497 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

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

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 *** 10/04/21

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 *** 13:59:48

PAGE 504

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000498 ; 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	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

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

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 505

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000499 ; 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	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	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	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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 *** 13:59:48

PAGE 506

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000500 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 507

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000501 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				

		DAY OF WEEK = SATURDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

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      ***                      10/04/21
*** AERMET - VERSION 14134 ***      ***
      ***                      13:59:48

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*** MODELOPTs: RegDFault CONC ELEV RURAL

[illegible]

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

[illegible]

		DAY OF WEEK = SATURDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** MODELOPTs:      RegDFault  CONC  ELEV  RURAL
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000504 ; 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 .4500E+01
 9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
 14 .4500E+01 15 .4500E+01 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .4500E+01
 9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
 14 .4500E+01 15 .4500E+01 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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 *** 13:59:48

PAGE 511

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000505 ; 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 .4500E+01
 9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
 14 .4500E+01 15 .4500E+01 16 .0000E+00

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

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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*** 13:59:48

PAGE 512

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000506 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 13:59:48

PAGE 513

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000507 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .4500E+01
 9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
 14 .4500E+01 15 .4500E+01 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .4500E+01
 9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
 14 .4500E+01 15 .4500E+01 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 514

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000508 ; 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 .4500E+01
 9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
 14 .4500E+01 15 .4500E+01 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .4500E+01
 9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
 14 .4500E+01 15 .4500E+01 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 515

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000509 ; 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 .4500E+01
 9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
 14 .4500E+01 15 .4500E+01 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	
14	.4500E+01	15	.4500E+01	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 516

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000510 ; 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	.4500E+01				
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	
14	.4500E+01	15	.4500E+01	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	
14	.4500E+01	15	.4500E+01	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** 10/04/21
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*** 13:59:48

PAGE 517

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000511 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** 10/04/21
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*** 13:59:48

PAGE 518

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000512 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 519

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000513 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.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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                                DAY OF WEEK = SUNDAY
      1  .0000E+00      2  .0000E+00      3  .0000E+00      4  .0000E+00      5  .0000E+00
6  .0000E+00      7  .0000E+00      8  .0000E+00
      9  .0000E+00     10  .0000E+00     11  .0000E+00     12  .0000E+00     13  .0000E+00
14  .0000E+00     15  .0000E+00     16  .0000E+00
      17  .0000E+00     18  .0000E+00     19  .0000E+00     20  .0000E+00     21  .0000E+00
22  .0000E+00     23  .0000E+00     24  .0000E+00
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                                10/04/21
*** AERMET - VERSION 14134 ***      ***
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                                13:59:48

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

[illegible]

		DAY OF WEEK = SATURDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 521
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000515 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 522
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000516 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

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

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10/04/21
*** AERMET - VERSION 14134 *** ***

13:59:48

PAGE 523

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000517				; SOURCE TYPE = VOLUME			
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

- - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01

14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 524

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000518 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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*** 10/04/21

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*** 13:59:48

PAGE 525

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000519 ; 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	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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*** 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 526

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000520 ; 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	.4500E+01				
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	
14	.4500E+01	15	.4500E+01	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	
14	.4500E+01	15	.4500E+01	16	.0000E+00				
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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 *** 10/04/21
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 *** 13:59:48

PAGE 527

*** MODELOPTs: RegDFault CONC ELEV RURAL

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

SOURCE ID = L0000521 ; 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	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	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	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	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
                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7 .0000E+00    8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14  .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22  .0000E+00  23 .0000E+00  24 .0000E+00
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                                10/04/21
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PAGE 528

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000522 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7 .0000E+00    8 .4500E+01
    9 .4500E+01   10 .4500E+01   11 .4500E+01   12 .4500E+01   13 .4500E+01
14  .4500E+01   15 .4500E+01   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22  .0000E+00  23 .0000E+00  24 .0000E+00
                                DAY OF WEEK = SATURDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7 .0000E+00    8 .4500E+01
    9 .4500E+01   10 .4500E+01   11 .4500E+01   12 .4500E+01   13 .4500E+01
14  .4500E+01   15 .4500E+01   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22  .0000E+00  23 .0000E+00  24 .0000E+00
                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7 .0000E+00    8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14  .0000E+00   15 .0000E+00   16 .0000E+00
    17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22  .0000E+00  23 .0000E+00  24 .0000E+00
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                                ***
                                10/04/21
*** AERMET - VERSION 14134 *** ***
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                                13:59:48

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000523 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.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 14134 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000524 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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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 14134 *** ***
 *** 13:59:48

PAGE 532

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000526 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

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

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 *** 13:59:48

PAGE 533

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000527 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .4500E+01
 9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
 14 .4500E+01 15 .4500E+01 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .4500E+01
 9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
 14 .4500E+01 15 .4500E+01 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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 *** 13:59:48

PAGE 534

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000528 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .4500E+01
 9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01

14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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*** 13:59:48

PAGE 535

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000529 ; 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 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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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*** 13:59:48
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PAGE 536

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*** MODELOPTs:      RegDFault  CONC  ELEV  RURAL
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

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SOURCE ID = L0000530 ; SOURCE TYPE = VOLUME :									
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

		DAY OF WEEK = WEEKDAY				
	1 .0000E+00	2 .0000E+00	3 .0000E+00	4 .0000E+00	5 .0000E+00	
6	.0000E+00	7 .0000E+00	8 .4500E+01			
	9 .4500E+01	10 .4500E+01	11 .4500E+01	12 .4500E+01	13 .4500E+01	
14	.4500E+01	15 .4500E+01	16 .0000E+00			
	17 .0000E+00	18 .0000E+00	19 .0000E+00	20 .0000E+00	21 .0000E+00	
22	.0000E+00	23 .0000E+00	24 .0000E+00			

		DAY OF WEEK = SATURDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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

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*** 13:59:48
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PAGE 537

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

WEEK (HRDOW) *

SOURCE ID = L0000531 ; 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 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 538

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000532 ; 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 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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*** 13:59:48

PAGE 539

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000533 ; 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 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
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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PAGE 540

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000534 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
  HOUR SCALAR HOUR SCALAR HOUR SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .0000E+00 8  .4500E+01
9  .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .0000E+00 8  .4500E+01
9  .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .0000E+00 8  .0000E+00
9  .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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*** 10/04/21
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PAGE 541

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000535 ; 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 .4500E+01
 9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
 14 .4500E+01 15 .4500E+01 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .4500E+01
 9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
 14 .4500E+01 15 .4500E+01 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 542

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000536 ; 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 .4500E+01
 9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
 14 .4500E+01 15 .4500E+01 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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 *** 10/04/21

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 *** 13:59:48

PAGE 543

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000537 ; 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	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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 *** 10/04/21
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 *** 13:59:48

PAGE 544

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000538 ; 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	.4500E+01				
	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SATURDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SUNDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 13:59:48

PAGE 545

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000539 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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*** 13:59:48

PAGE 546

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000540 ; 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 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01

9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.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 14134 *** ***
 *** 13:59:48

PAGE 547

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000541 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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 *** 10/04/21

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*** 13:59:48

PAGE 548

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000542 ; 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 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 549

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000543 ; 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 .4500E+01
      9 .4500E+01   10 .4500E+01   11 .4500E+01   12 .4500E+01   13 .4500E+01
14 .4500E+01   15 .4500E+01   16 .0000E+00
      17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00

```

```

                                DAY OF WEEK = SATURDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6  .0000E+00    7 .0000E+00    8 .4500E+01
      9 .4500E+01   10 .4500E+01   11 .4500E+01   12 .4500E+01   13 .4500E+01
14 .4500E+01   15 .4500E+01   16 .0000E+00
      17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00

```

```

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

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PAGE 550

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000544 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR

```

```

- - - - -
                                DAY OF WEEK = WEEKDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6  .0000E+00    7 .0000E+00    8 .4500E+01
      9 .4500E+01   10 .4500E+01   11 .4500E+01   12 .4500E+01   13 .4500E+01
14 .4500E+01   15 .4500E+01   16 .0000E+00
      17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
22 .0000E+00  23 .0000E+00  24 .0000E+00

```

```

                                DAY OF WEEK = SATURDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6  .0000E+00    7 .0000E+00    8 .4500E+01
      9 .4500E+01   10 .4500E+01   11 .4500E+01   12 .4500E+01   13 .4500E+01
14 .4500E+01   15 .4500E+01   16 .0000E+00

```

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

DAY OF WEEK = SUNDAY

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

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*** 10/04/21

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*** 13:59:48

PAGE 551

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000545 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .4500E+01
9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
14 .4500E+01 15 .4500E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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*** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000546 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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 *** 10/04/21

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000547 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

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

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 *** 10/04/21

*** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 554

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000548 ; 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	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.4500E+01					
	9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

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

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 *** 10/04/21
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 *** 13:59:48

PAGE 555

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000549 ; 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	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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 *** 13:59:48

PAGE 556

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000550 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				
9	.4500E+01	10	.4500E+01	11	.4500E+01	12	.4500E+01	13	.4500E+01
14	.4500E+01	15	.4500E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 557

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000551 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.4500E+01				

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000554 ; 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 .4500E+01
 9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
 14 .4500E+01 15 .4500E+01 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .4500E+01
 9 .4500E+01 10 .4500E+01 11 .4500E+01 12 .4500E+01 13 .4500E+01
 14 .4500E+01 15 .4500E+01 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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 *** 10/04/21
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 *** 13:59:48

PAGE 561

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000674 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01

17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21
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*** 13:59:48

PAGE 562

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000675 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01

14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

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*** 13:59:48

PAGE 563

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000676 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 564

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000677 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 565

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000678 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 566

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000679 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01

22 .1500E+01 23 .0000E+00 24 .0000E+00
 ^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 567

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000680 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
 ^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 568

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000681 ; SOURCE TYPE = VOLUME :


```

                                DAY OF WEEK = SUNDAY
      1 .0000E+00      2 .0000E+00      3 .0000E+00      4 .0000E+00      5 .0000E+00
6 .0000E+00      7 .1500E+01      8 .1500E+01
      9 .1500E+01     10 .1500E+01     11 .1500E+01     12 .1500E+01     13 .1500E+01
14 .1500E+01     15 .1500E+01     16 .1500E+01
      17 .1500E+01     18 .1500E+01     19 .1500E+01     20 .1500E+01     21 .1500E+01
22 .1500E+01     23 .0000E+00     24 .0000E+00
^ *** AERMOD - VERSION 19191 ***      *** C:\Users\apol1\Desktop\HARP2\IMM\IMM.isc
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                                10/04/21
*** AERMET - VERSION 14134 ***      ***
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                                13:59:48

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

[illegible]

		DAY OF WEEK = SATURDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 571
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000684 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 572
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000685 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 573

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000686 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01

14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 574

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000687 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 575

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000688 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

▲ *** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 576

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000689 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 577

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000690 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01

22 .1500E+01 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
 *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 578

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000691 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
 *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000692 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000693 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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^ *** AERMOD - VERSION 19191 ***      *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                                     ***      10/04/21
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PAGE 581

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*** MODELOPTs:      RegDFault  CONC  ELEV  RURAL
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```

SOURCE ID = L0000694 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
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 *** 13:59:48

PAGE 582

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000695 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 13:59:48

PAGE 583

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000696 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 584

*** MODELOPTs: RegDFault CONC ELEV RURAL

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

SOURCE ID = L0000697 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01

14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

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 *** 13:59:48

PAGE 585

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000698 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01

9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21

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 *** 13:59:48

PAGE 586

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000699 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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 *** 13:59:48

PAGE 587

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

WEEK (HRDOW) *

SOURCE ID = L0000700 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 588

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001020 ; 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 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00

22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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*** 10/04/21
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*** 13:59:48

PAGE 589

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001021 ; 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 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
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 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
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*** 13:59:48

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PAGE 590

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0001022 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
  HOUR SCALAR HOUR SCALAR HOUR SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .0000E+00 8  .3000E+01
9  .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .0000E+00 8  .3000E+01
9  .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .0000E+00 8  .0000E+00
9  .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
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PAGE 591

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001023 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01
 17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01
 17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .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 14134 *** ***
 *** 13:59:48

PAGE 592

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001024 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01
 17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

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 *** 13:59:48

PAGE 594

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001026 ; 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	.3000E+01	9	.3000E+01	10	.3000E+01
11	.3000E+01	12	.3000E+01	13	.3000E+01	14	.3000E+01	15	.3000E+01
16	.3000E+01	17	.3000E+01	18	.3000E+01	19	.3000E+01	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	.3000E+01	9	.3000E+01	10	.3000E+01
11	.3000E+01	12	.3000E+01	13	.3000E+01	14	.3000E+01	15	.3000E+01
16	.3000E+01	17	.3000E+01	18	.3000E+01	19	.3000E+01	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	.3000E+01	9	.3000E+01	10	.3000E+01
11	.3000E+01	12	.3000E+01	13	.3000E+01	14	.3000E+01	15	.3000E+01
16	.3000E+01	17	.3000E+01	18	.3000E+01	19	.3000E+01	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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 *** 13:59:48

PAGE 595

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001027 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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*** 13:59:48

PAGE 596

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001028 ; 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 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01

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*** 13:59:48

PAGE 598

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001030 ; 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 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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*** 10/04/21

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*** 13:59:48

PAGE 599

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001031 ; 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 .3000E+01
  9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

```

```

DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .3000E+01
  9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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```

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

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 600

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0001032 ; 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 .3000E+01
  9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

```

```

DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .3000E+01
  9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01

```

17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 601

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001033 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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*** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001034 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.3000E+01				
9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01				
17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.3000E+01				
9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01				
17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001035 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.3000E+01					
	9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01					
	17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.3000E+01					
	9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01					
	17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

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

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 *** 10/04/21

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 *** 13:59:48

PAGE 604

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0001036 ; 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	.3000E+01					
	9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01					
	17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.3000E+01					
	9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01					
	17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

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

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 605

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001037 ; 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	.3000E+01				
9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01				
17	.3000E+01	18	.3000E+01	19	.3000E+01	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	.3000E+01				
9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01				
17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.3000E+01				
9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01				
17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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 *** 10/04/21
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 *** 13:59:48

PAGE 606

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001038 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.3000E+01				
9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01				
17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.3000E+01				
9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01				
17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 607

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001039 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.3000E+01				

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001042 ; 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 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01
 17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01
 17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 611

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001043 ; 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 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01

17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 612

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001044 ; 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 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 613

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001045 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01
 17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01
 17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 614

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001046 ; 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 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01
 17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01
 17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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 *** 10/04/21
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 *** 13:59:48

PAGE 615

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001047 ; 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 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01
 17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.3000E+01				
	9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	
14	.3000E+01	15	.3000E+01	16	.3000E+01				
	17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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10/04/21

*** AERMET - VERSION 14134 *** ***

13:59:48

PAGE 616

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001048 ; 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	.3000E+01				
	9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	
14	.3000E+01	15	.3000E+01	16	.3000E+01				
	17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.3000E+01				
	9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	
14	.3000E+01	15	.3000E+01	16	.3000E+01				
	17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 617

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001049 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01
 17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01
 17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 618

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001050 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.3000E+01				
9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01				
17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.3000E+01				
9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01				
17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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 *** 10/04/21
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 *** 13:59:48

PAGE 619

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001051 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.3000E+01				
9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01				
17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

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

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

SOURCE ID = L0001052 ; SOURCE TYPE = VOLUME :									
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

		DAY OF WEEK = SATURDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.3000E+01					
	9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01					
	17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 621
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001053 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 622
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001054 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 623

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001055 ; 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 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01

14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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*** 10/04/21

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*** 13:59:48

PAGE 624

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001056 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***

*** 13:59:48

PAGE 625

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001057 ; 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	.3000E+01				
9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01				
17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.3000E+01				
9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01				
17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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*** 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 626

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001058 ; 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	.3000E+01				
	9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	
14	.3000E+01	15	.3000E+01	16	.3000E+01				
	17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.3000E+01				
	9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	
14	.3000E+01	15	.3000E+01	16	.3000E+01				
	17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 627

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001059 ; 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	.3000E+01				
	9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	
14	.3000E+01	15	.3000E+01	16	.3000E+01				
	17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.3000E+01				
	9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	
14	.3000E+01	15	.3000E+01	16	.3000E+01				
	17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	
						21	.0000E+00		

22 .0000E+00 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
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 *** 13:59:48

PAGE 628

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001060 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01
 17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01
 17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
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 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001061 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.3000E+01				
9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01				
17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.3000E+01				
9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01				
17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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

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 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001062 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

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

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 *** AERMET - VERSION 14134 *** ***
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PAGE 632

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001064 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.3000E+01					
	9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01					
	17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.3000E+01					
	9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01					
	17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

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

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PAGE 633

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001065 ; 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 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01
 17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01
 17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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PAGE 634

*** MODELOPTs: RegDFault CONC ELEV RURAL

* 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 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01

14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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PAGE 635

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* 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 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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

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

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*** 10/04/21

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*** 13:59:48

PAGE 636

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000851 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 637

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

WEEK (HRDOW) *

SOURCE ID = L0000852 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 638

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000853 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01

22 .1500E+01 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

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 *** 13:59:48

PAGE 639

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000854 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01


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17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
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PAGE 640

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000855 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
  HOUR SCALAR HOUR SCALAR HOUR SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .1500E+01 8  .1500E+01
9  .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .1500E+01 8  .1500E+01
9  .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .1500E+01 8  .1500E+01
9  .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
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*** 10/04/21
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PAGE 641

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000856 ; 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	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
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 *** 13:59:48

PAGE 642

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000857 ; 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	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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*** MODELOPTs: RegDFault CONC ELEV RURAL

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

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SOURCE ID = L0000858 ; SOURCE TYPE = VOLUME :									
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 13:59:48

PAGE 644

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000859 ; 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	.1500E+01	8	.1500E+01	9	.1500E+01	10	.1500E+01
11	.1500E+01	12	.1500E+01	13	.1500E+01	14	.1500E+01	15	.1500E+01
16	.1500E+01	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01
21	.1500E+01	22	.1500E+01	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	.1500E+01	8	.1500E+01	9	.1500E+01	10	.1500E+01
11	.1500E+01	12	.1500E+01	13	.1500E+01	14	.1500E+01	15	.1500E+01
16	.1500E+01	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01
21	.1500E+01	22	.1500E+01	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	.1500E+01	8	.1500E+01	9	.1500E+01	10	.1500E+01
11	.1500E+01	12	.1500E+01	13	.1500E+01	14	.1500E+01	15	.1500E+01
16	.1500E+01	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01
21	.1500E+01	22	.1500E+01	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	.1500E+01	8	.1500E+01	9	.1500E+01	10	.1500E+01
11	.1500E+01	12	.1500E+01	13	.1500E+01	14	.1500E+01	15	.1500E+01
16	.1500E+01	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01
21	.1500E+01	22	.1500E+01	23	.0000E+00	24	.0000E+00		

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 *** 13:59:48

PAGE 645

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000860 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 646

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000861 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 648

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000863 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 649

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000864 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
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 *** 13:59:48

PAGE 650

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000865 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01

17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

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*** 13:59:48

PAGE 651

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000866 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

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*** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000867 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21

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 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000868 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21

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 *** 13:59:48

PAGE 654

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000869 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 13:59:48

PAGE 655

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000870 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 656

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```
SOURCE ID = L0000871 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
                                DAY OF WEEK = WEEKDAY
      1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1500E+01   8 .1500E+01
      9 .1500E+01  10 .1500E+01  11 .1500E+01  12 .1500E+01  13 .1500E+01
14 .1500E+01  15 .1500E+01  16 .1500E+01
      17 .1500E+01  18 .1500E+01  19 .1500E+01  20 .1500E+01  21 .1500E+01
22 .1500E+01  23 .0000E+00  24 .0000E+00
                                DAY OF WEEK = SATURDAY
      1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1500E+01   8 .1500E+01
      9 .1500E+01  10 .1500E+01  11 .1500E+01  12 .1500E+01  13 .1500E+01
14 .1500E+01  15 .1500E+01  16 .1500E+01
      17 .1500E+01  18 .1500E+01  19 .1500E+01  20 .1500E+01  21 .1500E+01
22 .1500E+01  23 .0000E+00  24 .0000E+00
                                DAY OF WEEK = SUNDAY
      1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1500E+01   8 .1500E+01
      9 .1500E+01  10 .1500E+01  11 .1500E+01  12 .1500E+01  13 .1500E+01
14 .1500E+01  15 .1500E+01  16 .1500E+01
      17 .1500E+01  18 .1500E+01  19 .1500E+01  20 .1500E+01  21 .1500E+01
22 .1500E+01  23 .0000E+00  24 .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                                ***
                                10/04/21
*** AERMET - VERSION 14134 *** ***
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PAGE 657

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```
SOURCE ID = L0000872 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
                                DAY OF WEEK = WEEKDAY
      1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1500E+01   8 .1500E+01
```

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

PAGE 658

SOURCE ID = L0000873				; SOURCE TYPE = VOLUME		:			
HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR
HOURL	SCALAR	HOURL	SCALAR	HOURL	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  .1500E+01  8  .1500E+01
   9  .1500E+01 10  .1500E+01 11  .1500E+01 12  .1500E+01 13  .1500E+01
14  .1500E+01 15  .1500E+01 16  .1500E+01
   17  .1500E+01 18  .1500E+01 19  .1500E+01 20  .1500E+01 21  .1500E+01
22  .1500E+01 23  .0000E+00 24  .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
   *** 10/04/21
*** AERMET - VERSION 14134 *** ***
   *** 13:59:48

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PAGE 659

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```

SOURCE ID = L0000874 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .1500E+01  8  .1500E+01
   9  .1500E+01 10  .1500E+01 11  .1500E+01 12  .1500E+01 13  .1500E+01
14  .1500E+01 15  .1500E+01 16  .1500E+01
   17  .1500E+01 18  .1500E+01 19  .1500E+01 20  .1500E+01 21  .1500E+01
22  .1500E+01 23  .0000E+00 24  .0000E+00
- - - - - DAY OF WEEK = SATURDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .1500E+01  8  .1500E+01
   9  .1500E+01 10  .1500E+01 11  .1500E+01 12  .1500E+01 13  .1500E+01
14  .1500E+01 15  .1500E+01 16  .1500E+01
   17  .1500E+01 18  .1500E+01 19  .1500E+01 20  .1500E+01 21  .1500E+01
22  .1500E+01 23  .0000E+00 24  .0000E+00
- - - - - DAY OF WEEK = SUNDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .1500E+01  8  .1500E+01
   9  .1500E+01 10  .1500E+01 11  .1500E+01 12  .1500E+01 13  .1500E+01
14  .1500E+01 15  .1500E+01 16  .1500E+01
   17  .1500E+01 18  .1500E+01 19  .1500E+01 20  .1500E+01 21  .1500E+01
22  .1500E+01 23  .0000E+00 24  .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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   *** 13:59:48

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PAGE 660

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000875 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 661

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000876 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01

17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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*** 13:59:48

PAGE 662

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000877 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01

14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
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 *** 13:59:48

PAGE 663

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000878 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
 *** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 664

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000879 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 665

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000880 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	
14	.1500E+01	15	.1500E+01	16	.1500E+01				
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	
14	.1500E+01	15	.1500E+01	16	.1500E+01				
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	
22	.1500E+01	23	.0000E+00	24	.0000E+00				

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 666

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000881 ; 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	.1500E+01	8	.1500E+01				
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	
14	.1500E+01	15	.1500E+01	16	.1500E+01				
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	
22	.1500E+01	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	.1500E+01	8	.1500E+01				
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	
14	.1500E+01	15	.1500E+01	16	.1500E+01				
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	
14	.1500E+01	15	.1500E+01	16	.1500E+01				
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	
14	.1500E+01	15	.1500E+01	16	.1500E+01				
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	
22	.1500E+01	23	.0000E+00	24	.0000E+00				

22 .1500E+01 23 .0000E+00 24 .0000E+00
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*** 10/04/21
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*** 13:59:48

PAGE 667

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000882 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 668

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000883 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 669

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000884 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

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

```

                                DAY OF WEEK = SUNDAY
      1 .0000E+00      2 .0000E+00      3 .0000E+00      4 .0000E+00      5 .0000E+00
6 .0000E+00      7 .1500E+01      8 .1500E+01
      9 .1500E+01     10 .1500E+01     11 .1500E+01     12 .1500E+01     13 .1500E+01
14 .1500E+01     15 .1500E+01     16 .1500E+01
      17 .1500E+01     18 .1500E+01     19 .1500E+01     20 .1500E+01     21 .1500E+01
22 .1500E+01     23 .0000E+00     24 .0000E+00
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                                10/04/21
*** AERMET - VERSION 14134 ***      ***
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                                13:59:48

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

[illegible]

		DAY OF WEEK = SATURDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 671
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000886 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21
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*** 13:59:48

PAGE 672
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000887 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21
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*** 13:59:48

PAGE 673

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000888 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01

14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 674

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000889 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

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*** 13:59:48

PAGE 675

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000890 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

▲ *** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 676

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000891 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 677

*** MODELOPTs: RegDFault CONC ELEV RURAL

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

SOURCE ID = L0000892 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01

```

22 .1500E+01 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7   .1500E+01    8   .1500E+01
    9   .1500E+01   10   .1500E+01   11   .1500E+01   12   .1500E+01   13   .1500E+01
14  .1500E+01   15   .1500E+01   16   .1500E+01
    17  .1500E+01   18   .1500E+01   19   .1500E+01   20   .1500E+01   21   .1500E+01
22  .1500E+01   23   .0000E+00   24   .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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                                10/04/21
*** AERMET - VERSION 14134 *** ***
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                                13:59:48

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PAGE 678

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```

SOURCE ID = L0000893 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7   .1500E+01    8   .1500E+01
    9   .1500E+01   10   .1500E+01   11   .1500E+01   12   .1500E+01   13   .1500E+01
14  .1500E+01   15   .1500E+01   16   .1500E+01
    17  .1500E+01   18   .1500E+01   19   .1500E+01   20   .1500E+01   21   .1500E+01
22  .1500E+01   23   .0000E+00   24   .0000E+00
                                DAY OF WEEK = SATURDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7   .1500E+01    8   .1500E+01
    9   .1500E+01   10   .1500E+01   11   .1500E+01   12   .1500E+01   13   .1500E+01
14  .1500E+01   15   .1500E+01   16   .1500E+01
    17  .1500E+01   18   .1500E+01   19   .1500E+01   20   .1500E+01   21   .1500E+01
22  .1500E+01   23   .0000E+00   24   .0000E+00
                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7   .1500E+01    8   .1500E+01
    9   .1500E+01   10   .1500E+01   11   .1500E+01   12   .1500E+01   13   .1500E+01
14  .1500E+01   15   .1500E+01   16   .1500E+01
    17  .1500E+01   18   .1500E+01   19   .1500E+01   20   .1500E+01   21   .1500E+01
22  .1500E+01   23   .0000E+00   24   .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                                ***
                                10/04/21
*** AERMET - VERSION 14134 *** ***
                                ***
                                13:59:48

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000894 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000895 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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  *** AERMOD - VERSION 19191 ***      *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                                     ***      10/04/21

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PAGE 681

SOURCE ID = L0000896 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 13:59:48

PAGE 682

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000897 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 683

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000898 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 684

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000899 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01

14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 685

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000900 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01

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^ *** AERMOD - VERSION 19191 ***      *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

[illegible]

		DAY OF WEEK = SATURDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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^ *** AERMOD - VERSION 19191 ***      *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
      ***                      10/04/21
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      ***                      13:59:48

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

WEEK (HRDOW) *

SOURCE ID = L0000902 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 688

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000903 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01

22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21
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*** 13:59:48

PAGE 689

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000904 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01

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17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
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*** 13:59:48

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PAGE 690

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000905 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
  HOUR SCALAR HOUR SCALAR HOUR SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .1500E+01 8  .1500E+01
9  .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .1500E+01 8  .1500E+01
9  .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .1500E+01 8  .1500E+01
9  .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
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*** 13:59:48

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PAGE 691

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000906 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 692

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000907 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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PAGE 693

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*** MODELOPTs:  RegDFault  CONC  ELEV  RURAL
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000908		; SOURCE TYPE = VOLUME	:								
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR						

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 13:59:48

PAGE 694

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000909 ; 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	.1500E+01	8	.1500E+01	9	.1500E+01	10	.1500E+01
11	.1500E+01	12	.1500E+01	13	.1500E+01	14	.1500E+01	15	.1500E+01
16	.1500E+01	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01
21	.1500E+01	22	.1500E+01	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	.1500E+01	8	.1500E+01	9	.1500E+01	10	.1500E+01
11	.1500E+01	12	.1500E+01	13	.1500E+01	14	.1500E+01	15	.1500E+01
16	.1500E+01	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01
21	.1500E+01	22	.1500E+01	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	.1500E+01	8	.1500E+01	9	.1500E+01	10	.1500E+01
11	.1500E+01	12	.1500E+01	13	.1500E+01	14	.1500E+01	15	.1500E+01
16	.1500E+01	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01
21	.1500E+01	22	.1500E+01	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	.1500E+01	8	.1500E+01	9	.1500E+01	10	.1500E+01
11	.1500E+01	12	.1500E+01	13	.1500E+01	14	.1500E+01	15	.1500E+01
16	.1500E+01	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01
21	.1500E+01	22	.1500E+01	23	.0000E+00	24	.0000E+00		

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 *** 13:59:48

PAGE 695

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000910 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 696

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000911 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 698

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000913 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

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*** 13:59:48

PAGE 699

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000914 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
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 *** 13:59:48

PAGE 700

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000915 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01

17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 701

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000916 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000917 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000918 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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*** AERMET - VERSION 14134 ***
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PAGE 704

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

SOURCE ID = L0000919 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 13:59:48

PAGE 705

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000920 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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PAGE 706

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```
SOURCE ID = L0000921 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .1500E+01  8 .1500E+01
  9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .1500E+01  8 .1500E+01
  9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .1500E+01  8 .1500E+01
  9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
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*** AERMET - VERSION 14134 *** ***
***                                     13:59:48
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PAGE 707

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```
SOURCE ID = L0000922 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .1500E+01  8 .1500E+01
```



```

6  .0000E+00  7  .1500E+01  8  .1500E+01
   9  .1500E+01 10  .1500E+01 11  .1500E+01 12  .1500E+01 13  .1500E+01
14  .1500E+01 15  .1500E+01 16  .1500E+01
   17  .1500E+01 18  .1500E+01 19  .1500E+01 20  .1500E+01 21  .1500E+01
22  .1500E+01 23  .0000E+00 24  .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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   *** 13:59:48

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PAGE 709

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

```

SOURCE ID = L0000924 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - - DAY OF WEEK = WEEKDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .1500E+01  8  .1500E+01
   9  .1500E+01 10  .1500E+01 11  .1500E+01 12  .1500E+01 13  .1500E+01
14  .1500E+01 15  .1500E+01 16  .1500E+01
   17  .1500E+01 18  .1500E+01 19  .1500E+01 20  .1500E+01 21  .1500E+01
22  .1500E+01 23  .0000E+00 24  .0000E+00
- - - - - DAY OF WEEK = SATURDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .1500E+01  8  .1500E+01
   9  .1500E+01 10  .1500E+01 11  .1500E+01 12  .1500E+01 13  .1500E+01
14  .1500E+01 15  .1500E+01 16  .1500E+01
   17  .1500E+01 18  .1500E+01 19  .1500E+01 20  .1500E+01 21  .1500E+01
22  .1500E+01 23  .0000E+00 24  .0000E+00
- - - - - DAY OF WEEK = SUNDAY
   1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .1500E+01  8  .1500E+01
   9  .1500E+01 10  .1500E+01 11  .1500E+01 12  .1500E+01 13  .1500E+01
14  .1500E+01 15  .1500E+01 16  .1500E+01
   17  .1500E+01 18  .1500E+01 19  .1500E+01 20  .1500E+01 21  .1500E+01
22  .1500E+01 23  .0000E+00 24  .0000E+00
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   *** 10/04/21
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   *** 13:59:48

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PAGE 710

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000925 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

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 *** 13:59:48

PAGE 711

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000926 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01

17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 712

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000927 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01

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14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
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*** 13:59:48

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PAGE 713

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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SOURCE ID = L0000928 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
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*** 13:59:48

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PAGE 714

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000929 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 715

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000930 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 716

*** MODELOPTs: RegDFault CONC ELEV RURAL

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

SOURCE ID = L0000931 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01

22 .1500E+01 23 .0000E+00 24 .0000E+00
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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 717

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000932 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
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*** 13:59:48

PAGE 718

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000933 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 719

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000934 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

```

                                DAY OF WEEK = SUNDAY
      1 .0000E+00      2 .0000E+00      3 .0000E+00      4 .0000E+00      5 .0000E+00
6 .0000E+00      7 .1500E+01      8 .1500E+01
      9 .1500E+01     10 .1500E+01     11 .1500E+01     12 .1500E+01     13 .1500E+01
14 .1500E+01     15 .1500E+01     16 .1500E+01
      17 .1500E+01     18 .1500E+01     19 .1500E+01     20 .1500E+01     21 .1500E+01
22 .1500E+01     23 .0000E+00     24 .0000E+00
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 721
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000936 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 722
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000937 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21
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*** 13:59:48

PAGE 723

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000938 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01

14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

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*** 13:59:48

PAGE 724

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L0000939 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

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*** 13:59:48

PAGE 725

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000940 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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*** 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 726

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000941 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 727

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000942 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01

```

22 .1500E+01 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7   .1500E+01    8   .1500E+01
    9   .1500E+01   10   .1500E+01   11   .1500E+01   12   .1500E+01   13   .1500E+01
14  .1500E+01   15   .1500E+01   16   .1500E+01
    17  .1500E+01   18   .1500E+01   19   .1500E+01   20   .1500E+01   21   .1500E+01
22  .1500E+01   23   .0000E+00   24   .0000E+00
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                                13:59:48

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PAGE 728

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

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SOURCE ID = L0000943 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7   .1500E+01    8   .1500E+01
    9   .1500E+01   10   .1500E+01   11   .1500E+01   12   .1500E+01   13   .1500E+01
14  .1500E+01   15   .1500E+01   16   .1500E+01
    17  .1500E+01   18   .1500E+01   19   .1500E+01   20   .1500E+01   21   .1500E+01
22  .1500E+01   23   .0000E+00   24   .0000E+00
                                DAY OF WEEK = SATURDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7   .1500E+01    8   .1500E+01
    9   .1500E+01   10   .1500E+01   11   .1500E+01   12   .1500E+01   13   .1500E+01
14  .1500E+01   15   .1500E+01   16   .1500E+01
    17  .1500E+01   18   .1500E+01   19   .1500E+01   20   .1500E+01   21   .1500E+01
22  .1500E+01   23   .0000E+00   24   .0000E+00
                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7   .1500E+01    8   .1500E+01
    9   .1500E+01   10   .1500E+01   11   .1500E+01   12   .1500E+01   13   .1500E+01
14  .1500E+01   15   .1500E+01   16   .1500E+01
    17  .1500E+01   18   .1500E+01   19   .1500E+01   20   .1500E+01   21   .1500E+01
22  .1500E+01   23   .0000E+00   24   .0000E+00
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                                ***
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*** AERMET - VERSION 14134 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000944 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000945 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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SOURCE ID = L0000946		; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 732

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000947 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 733

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000948 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21
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*** 13:59:48

PAGE 734

*** MODELOPTs: RegDFault CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000949 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01

14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 735

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L0000950 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01

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*** MODELOPTs:      RegDFault  CONC  ELEV  RURAL
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		DAY OF WEEK = SUNDAY				
	1 .0000E+00	2 .0000E+00	3 .0000E+00	4 .0000E+00	5 .0000E+00	
6	.0000E+00	7 .1500E+01	8 .1500E+01			
	9 .1500E+01	10 .1500E+01	11 .1500E+01	12 .1500E+01	13 .1500E+01	
14	.1500E+01	15 .1500E+01	16 .1500E+01			
	17 .1500E+01	18 .1500E+01	19 .1500E+01	20 .1500E+01	21 .1500E+01	
22	.1500E+01	23 .0000E+00	24 .0000E+00			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

WEEK (HRDOW) *

SOURCE ID = L0000952 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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10/04/21
*** AERMET - VERSION 14134 ***
13:59:48

PAGE 738

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L0000953 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01

22 .1500E+01 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

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 *** 13:59:48

PAGE 739

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000954 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01

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17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 740

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

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SOURCE ID = L0000955 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
  HOUR SCALAR HOUR SCALAR HOUR SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .1500E+01 8  .1500E+01
9  .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .1500E+01 8  .1500E+01
9  .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .1500E+01 8  .1500E+01
9  .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
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PAGE 741

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000956 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

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PAGE 742

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000957 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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PAGE 743

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000958 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
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PAGE 744

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000959 ; 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	.1500E+01	8	.1500E+01	9	.1500E+01	10	.1500E+01
11	.1500E+01	12	.1500E+01	13	.1500E+01	14	.1500E+01	15	.1500E+01
16	.1500E+01	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01
21	.1500E+01	22	.1500E+01	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	.1500E+01	8	.1500E+01	9	.1500E+01	10	.1500E+01
11	.1500E+01	12	.1500E+01	13	.1500E+01	14	.1500E+01	15	.1500E+01
16	.1500E+01	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01
21	.1500E+01	22	.1500E+01	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	.1500E+01	8	.1500E+01	9	.1500E+01	10	.1500E+01
11	.1500E+01	12	.1500E+01	13	.1500E+01	14	.1500E+01	15	.1500E+01
16	.1500E+01	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01
21	.1500E+01	22	.1500E+01	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	.1500E+01	8	.1500E+01	9	.1500E+01	10	.1500E+01
11	.1500E+01	12	.1500E+01	13	.1500E+01	14	.1500E+01	15	.1500E+01
16	.1500E+01	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01
21	.1500E+01	22	.1500E+01	23	.0000E+00	24	.0000E+00		

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 *** 13:59:48

PAGE 745

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000960 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 746

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L0000961 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 748

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000963 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

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*** 13:59:48

PAGE 749

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000964 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
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 *** 13:59:48

PAGE 750

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000965 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01

17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 751

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L0000966 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000967 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000968 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
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 *** 13:59:48

PAGE 754

*** MODELOPTs: RegDFault CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000969 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
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 *** 13:59:48

PAGE 755

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000970 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21
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 *** 13:59:48

PAGE 756

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
SOURCE ID = L0000971 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .1500E+01  8 .1500E+01
  9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .1500E+01  8 .1500E+01
  9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .1500E+01  8 .1500E+01
  9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
***                                     10/04/21
*** AERMET - VERSION 14134 *** ***
***                                     13:59:48
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PAGE 757

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
SOURCE ID = L0000972 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .1500E+01  8 .1500E+01
```

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

```

  *** AERMOD - VERSION 19191 ***      *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                                     ***      10/04/21

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13:59:48

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*** MODELOPTs:      RegDFault  CONC  ELEV  RURAL
```

SOURCE ID = L0000973		; 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  .1500E+01  8  .1500E+01
   9  .1500E+01 10  .1500E+01 11  .1500E+01 12  .1500E+01 13  .1500E+01
14  .1500E+01 15  .1500E+01 16  .1500E+01
   17  .1500E+01 18  .1500E+01 19  .1500E+01 20  .1500E+01 21  .1500E+01
22  .1500E+01 23  .0000E+00 24  .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
   *** 10/04/21
*** AERMET - VERSION 14134 *** ***
   *** 13:59:48

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PAGE 759

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```

SOURCE ID = L0000974 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
  HOUR SCALAR HOUR SCALAR HOUR SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
      1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .1500E+01  8  .1500E+01
   9  .1500E+01 10  .1500E+01 11  .1500E+01 12  .1500E+01 13  .1500E+01
14  .1500E+01 15  .1500E+01 16  .1500E+01
   17  .1500E+01 18  .1500E+01 19  .1500E+01 20  .1500E+01 21  .1500E+01
22  .1500E+01 23  .0000E+00 24  .0000E+00
                                DAY OF WEEK = SATURDAY
      1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .1500E+01  8  .1500E+01
   9  .1500E+01 10  .1500E+01 11  .1500E+01 12  .1500E+01 13  .1500E+01
14  .1500E+01 15  .1500E+01 16  .1500E+01
   17  .1500E+01 18  .1500E+01 19  .1500E+01 20  .1500E+01 21  .1500E+01
22  .1500E+01 23  .0000E+00 24  .0000E+00
                                DAY OF WEEK = SUNDAY
      1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00
6  .0000E+00  7  .1500E+01  8  .1500E+01
   9  .1500E+01 10  .1500E+01 11  .1500E+01 12  .1500E+01 13  .1500E+01
14  .1500E+01 15  .1500E+01 16  .1500E+01
   17  .1500E+01 18  .1500E+01 19  .1500E+01 20  .1500E+01 21  .1500E+01
22  .1500E+01 23  .0000E+00 24  .0000E+00
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
   *** 10/04/21
*** AERMET - VERSION 14134 *** ***
   *** 13:59:48

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PAGE 760

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000975 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21
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*** 13:59:48

PAGE 761

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000976 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01

17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 762

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L0000977 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01

14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
 *** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 763

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000978 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -
 - - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00
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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 764

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000979 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 765

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000980 ; 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 .1500E+01 8 .1500E+01
 9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
 14 .1500E+01 15 .1500E+01 16 .1500E+01
 17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
 22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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10/04/21

*** AERMET - VERSION 14134 *** ***

13:59:48

PAGE 766

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000981 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01

22 .1500E+01 23 .0000E+00 24 .0000E+00
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*** 10/04/21
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*** 13:59:48

PAGE 767

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000982 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 768

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000983 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 769

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000984 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

DAY OF WEEK = SUNDAY										
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

[illegible]

		DAY OF WEEK = SATURDAY								
	1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

		DAY OF WEEK = SUNDAY				
	1 .0000E+00	2 .0000E+00	3 .0000E+00	4 .0000E+00	5 .0000E+00	
6	.0000E+00	7 .1500E+01	8 .1500E+01			
	9 .1500E+01	10 .1500E+01	11 .1500E+01	12 .1500E+01	13 .1500E+01	
14	.1500E+01	15 .1500E+01	16 .1500E+01			
	17 .1500E+01	18 .1500E+01	19 .1500E+01	20 .1500E+01	21 .1500E+01	
22	.1500E+01	23 .0000E+00	24 .0000E+00			

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*** 10/04/21
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*** 13:59:48

PAGE 771
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000986 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21
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*** 13:59:48

PAGE 772
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000987 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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10/04/21
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13:59:48

PAGE 773

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L0000988		; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01

14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 774

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L0000989 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***

*** 13:59:48

PAGE 775

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000990 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

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*** 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 776

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000991 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 777

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000992 ; 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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01

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22 .1500E+01 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7   .1500E+01    8   .1500E+01
    9   .1500E+01   10   .1500E+01   11   .1500E+01   12   .1500E+01   13   .1500E+01
14  .1500E+01   15   .1500E+01   16   .1500E+01
    17  .1500E+01   18   .1500E+01   19   .1500E+01   20   .1500E+01   21   .1500E+01
22  .1500E+01   23   .0000E+00   24   .0000E+00
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                                10/04/21
*** AERMET - VERSION 14134 *** ***
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PAGE 778

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

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SOURCE ID = L0000993 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7   .1500E+01    8   .1500E+01
    9   .1500E+01   10   .1500E+01   11   .1500E+01   12   .1500E+01   13   .1500E+01
14  .1500E+01   15   .1500E+01   16   .1500E+01
    17  .1500E+01   18   .1500E+01   19   .1500E+01   20   .1500E+01   21   .1500E+01
22  .1500E+01   23   .0000E+00   24   .0000E+00
                                DAY OF WEEK = SATURDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7   .1500E+01    8   .1500E+01
    9   .1500E+01   10   .1500E+01   11   .1500E+01   12   .1500E+01   13   .1500E+01
14  .1500E+01   15   .1500E+01   16   .1500E+01
    17  .1500E+01   18   .1500E+01   19   .1500E+01   20   .1500E+01   21   .1500E+01
22  .1500E+01   23   .0000E+00   24   .0000E+00
                                DAY OF WEEK = SUNDAY
    1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
6   .0000E+00    7   .1500E+01    8   .1500E+01
    9   .1500E+01   10   .1500E+01   11   .1500E+01   12   .1500E+01   13   .1500E+01
14  .1500E+01   15   .1500E+01   16   .1500E+01
    17  .1500E+01   18   .1500E+01   19   .1500E+01   20   .1500E+01   21   .1500E+01
22  .1500E+01   23   .0000E+00   24   .0000E+00
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                                10/04/21
*** AERMET - VERSION 14134 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000994 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000995 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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^ *** AERMOD - VERSION 19191 ***      *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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                                   13:59:48

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*** MODELOPTs: RegDFault CONC ELEV RURAL

[illegible]

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	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

*** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
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 *** 13:59:48

PAGE 782

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000997 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.1500E+01	8	.1500E+01					
	9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01					
	17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00					

*** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 783

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000998 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 784

*** MODELOPTs: RegDFault CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000999 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01

14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 785

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L0001000 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01

WEEK (HRDOW) *

SOURCE ID = L0001002 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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13:59:48

PAGE 788

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L0001003 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01

22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 789

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L0001004 ; 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 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01

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17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 790

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

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SOURCE ID = L0001005 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
  HOUR SCALAR HOUR SCALAR HOUR SCALAR
  - - - - -
  - - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .1500E+01 8  .1500E+01
9  .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .1500E+01 8  .1500E+01
9  .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00 2  .0000E+00 3  .0000E+00 4  .0000E+00 5  .0000E+00
6  .0000E+00 7  .1500E+01 8  .1500E+01
9  .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00
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PAGE 791

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001006 ; 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	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
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 *** 13:59:48

PAGE 792

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001007 ; 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	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.1500E+01	19	.1500E+01	20	.1500E+01	21	.1500E+01
22	.1500E+01	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

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 *** 13:59:48

PAGE 794

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001066 ; 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	.3000E+01				
9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01				
17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SATURDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.3000E+01				
9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01				
17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SUNDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 13:59:48

PAGE 795

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001067 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 796

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L0001068 ; 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 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01

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*** 13:59:48

PAGE 798

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001070 ; 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 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 13:59:48

PAGE 799

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001071 ; 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 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01
 17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01
 17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 13:59:48

PAGE 800

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001072 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01
 17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01

17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
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 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 801

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L0001073 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - -
- - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .3000E+01
9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
14 .3000E+01 15 .3000E+01 16 .3000E+01
17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001074 ; 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 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01
 17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .3000E+01
 9 .3000E+01 10 .3000E+01 11 .3000E+01 12 .3000E+01 13 .3000E+01
 14 .3000E+01 15 .3000E+01 16 .3000E+01
 17 .3000E+01 18 .3000E+01 19 .3000E+01 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
 14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
 22 .0000E+00 23 .0000E+00 24 .0000E+00

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001075 ; 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	.3000E+01					
	9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01					
	17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.3000E+01					
	9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01					
	17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

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 *** 10/04/21

*** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 804

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001076 ; 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	.3000E+01					
	9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01					
	17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.3000E+01					
	9	.3000E+01	10	.3000E+01	11	.3000E+01	12	.3000E+01	13	.3000E+01
14	.3000E+01	15	.3000E+01	16	.3000E+01					
	17	.3000E+01	18	.3000E+01	19	.3000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00					

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 805

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = PAREA2 ; SOURCE TYPE = AREAPOLY :

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	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.2000E+01				
9	.2000E+01	10	.2000E+01	11	.2000E+01	12	.2000E+01	13	.2000E+01
14	.2000E+01	15	.2000E+01	16	.2000E+01				
17	.2000E+01	18	.2000E+01	19	.2000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 806

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = PAREA3 ; 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 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 807

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(668148.8, 4340781.0, 792.4, 818.8, 0.0); (668370.1,
4340781.0, 812.2, 812.2, 0.0);
(668591.4, 4340781.0, 816.1, 816.1, 0.0); (668812.7,
4340781.0, 810.2, 879.1, 0.0);
(669034.0, 4340781.0, 817.7, 879.1, 0.0); (669255.3,
4340781.0, 827.2, 864.3, 0.0);
(669476.7, 4340781.0, 821.2, 821.2, 0.0); (669698.0,

4340781.0,	829.6,	861.2,	0.0);		
(669919.3, 4340781.0,	851.1,	856.7,	0.0);	(670140.6,	
4340781.0,	862.2,	862.2,	0.0);		
(670361.9, 4340781.0,	867.3,	867.3,	0.0);	(670583.2,	
4340781.0,	877.8,	877.8,	0.0);		
(670804.5, 4340781.0,	879.2,	879.2,	0.0);	(671025.8,	
4340781.0,	886.8,	886.8,	0.0);		
(671247.1, 4340781.0,	893.9,	893.9,	0.0);	(671468.4,	
4340781.0,	887.8,	897.3,	0.0);		
(671689.8, 4340781.0,	881.4,	886.1,	0.0);	(671911.1,	
4340781.0,	882.5,	905.8,	0.0);		
(672132.4, 4340781.0,	899.3,	899.3,	0.0);	(672353.7,	
4340781.0,	877.9,	905.8,	0.0);		
(672575.0, 4340781.0,	860.0,	913.3,	0.0);	(668148.8,	
4340946.0,	771.6,	818.8,	0.0);		
(668370.1, 4340946.0,	793.4,	817.8,	0.0);	(668591.4,	
4340946.0,	800.9,	864.3,	0.0);		
(668812.7, 4340946.0,	799.9,	878.8,	0.0);	(669034.0,	
4340946.0,	819.9,	864.3,	0.0);		
(669255.3, 4340946.0,	823.7,	823.7,	0.0);	(669476.7,	
4340946.0,	816.8,	855.8,	0.0);		
(669698.0, 4340946.0,	841.2,	854.2,	0.0);	(669919.3,	
4340946.0,	858.8,	858.8,	0.0);		
(670140.6, 4340946.0,	854.7,	863.3,	0.0);	(670361.9,	
4340946.0,	862.8,	867.1,	0.0);		
(670583.2, 4340946.0,	867.5,	867.5,	0.0);	(670804.5,	
4340946.0,	878.9,	878.9,	0.0);		
(671025.8, 4340946.0,	888.3,	888.3,	0.0);	(671247.1,	
4340946.0,	898.2,	898.2,	0.0);		
(671468.4, 4340946.0,	897.9,	897.9,	0.0);	(671689.8,	
4340946.0,	876.9,	898.4,	0.0);		
(671911.1, 4340946.0,	872.7,	908.7,	0.0);	(672132.4,	
4340946.0,	905.3,	905.3,	0.0);		
(672353.7, 4340946.0,	884.7,	912.4,	0.0);	(672575.0,	
4340946.0,	858.5,	913.3,	0.0);		
(668148.8, 4341111.0,	773.6,	773.6,	0.0);	(668370.1,	
4341111.0,	775.2,	864.3,	0.0);		
(668591.4, 4341111.0,	799.1,	806.0,	0.0);	(668812.7,	
4341111.0,	803.3,	863.9,	0.0);		
(669034.0, 4341111.0,	812.7,	838.8,	0.0);	(669255.3,	
4341111.0,	806.5,	838.8,	0.0);		
(669476.7, 4341111.0,	820.8,	849.9,	0.0);	(669698.0,	
4341111.0,	843.0,	845.2,	0.0);		
(669919.3, 4341111.0,	839.2,	872.4,	0.0);	(670140.6,	
4341111.0,	859.6,	859.6,	0.0);		
(670361.9, 4341111.0,	866.2,	866.2,	0.0);	(670583.2,	
4341111.0,	875.9,	875.9,	0.0);		
(670804.5, 4341111.0,	887.8,	887.8,	0.0);	(671025.8,	
4341111.0,	896.7,	896.7,	0.0);		
(671247.1, 4341111.0,	894.4,	894.4,	0.0);	(671468.4,	

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4341111.0,      897.4,      897.4,      0.0);
  ( 671689.8, 4341111.0,      868.6,      898.7,      0.0);      ( 671911.1,
4341111.0,      870.6,      913.3,      0.0);
  ( 672132.4, 4341111.0,      904.8,      904.8,      0.0);      ( 672353.7,
4341111.0,      899.8,      912.9,      0.0);
  ( 672575.0, 4341111.0,      861.4,      913.3,      0.0);      ( 668148.8,
4341275.9,      781.3,      781.3,      0.0);
  ( 668370.1, 4341275.9,      786.8,      786.8,      0.0);      ( 668591.4,
4341275.9,      802.3,      808.3,      0.0);
  ( 668812.7, 4341275.9,      817.5,      838.4,      0.0);      ( 669034.0,
4341275.9,      838.2,      838.2,      0.0);
  ( 669255.3, 4341275.9,      830.0,      830.8,      0.0);      ( 669476.7,
4341275.9,      823.0,      823.0,      0.0);
  ( 669698.0, 4341275.9,      829.8,      867.5,      0.0);      ( 669919.3,
4341275.9,      854.3,      860.8,      0.0);
  ( 670140.6, 4341275.9,      869.0,      869.0,      0.0);      ( 670361.9,
4341275.9,      873.7,      873.7,      0.0);
  ( 670583.2, 4341275.9,      886.3,      886.3,      0.0);      ( 670804.5,
4341275.9,      890.4,      890.4,      0.0);
  ( 671025.8, 4341275.9,      897.8,      897.8,      0.0);      ( 671247.1,
4341275.9,      886.3,      900.4,      0.0);
  ( 671468.4, 4341275.9,      869.3,      899.5,      0.0);      ( 671689.8,
4341275.9,      861.1,      898.5,      0.0);
  ( 671911.1, 4341275.9,      864.3,      913.3,      0.0);      ( 672132.4,
4341275.9,      898.4,      911.8,      0.0);
  ( 672353.7, 4341275.9,      909.8,      913.2,      0.0);      ( 672575.0,
4341275.9,      861.9,      913.3,      0.0);
  ( 668148.8, 4341440.9,      780.2,      825.2,      0.0);      ( 668370.1,
4341440.9,      792.8,      825.2,      0.0);
  ( 668591.4, 4341440.9,      804.4,      824.4,      0.0);      ( 668812.7,
4341440.9,      825.4,      825.4,      0.0);
  ( 669034.0, 4341440.9,      835.6,      835.6,      0.0);      ( 669255.3,
4341440.9,      823.4,      823.4,      0.0);

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^ *** AERMOD - VERSION 19191 ***      *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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*** AERMET - VERSION 14134 ***      ***
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PAGE 808

*** MODELOPTs: RegDFault CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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  ( 669476.7, 4341440.9,      827.2,      827.2,      0.0);      ( 669698.0,
4341440.9,      837.6,      866.6,      0.0);
  ( 669919.3, 4341440.9,      861.3,      861.3,      0.0);      ( 670140.6,
4341440.9,      872.7,      872.7,      0.0);
  ( 670361.9, 4341440.9,      877.5,      877.5,      0.0);      ( 670583.2,

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4341440.9,	887.6,	887.6,	0.0);		
(670804.5,	4341440.9,	882.6,	882.6,	0.0);	(671025.8,
4341440.9,	891.3,	891.3,	0.0);		
(671689.8,	4341440.9,	843.7,	913.3,	0.0);	(671911.1,
4341440.9,	863.1,	913.3,	0.0);		
(672132.4,	4341440.9,	894.8,	909.5,	0.0);	(672353.7,
4341440.9,	888.5,	913.3,	0.0);		
(672575.0,	4341440.9,	844.3,	913.3,	0.0);	(668148.8,
4341605.8,	801.3,	801.3,	0.0);		
(668370.1,	4341605.8,	809.8,	825.2,	0.0);	(668591.4,
4341605.8,	815.9,	815.9,	0.0);		
(668812.7,	4341605.8,	821.4,	821.4,	0.0);	(669034.0,
4341605.8,	822.8,	837.3,	0.0);		
(669255.3,	4341605.8,	824.9,	824.9,	0.0);	(669476.7,
4341605.8,	831.6,	881.0,	0.0);		
(669698.0,	4341605.8,	842.9,	881.7,	0.0);	(669919.3,
4341605.8,	865.3,	865.3,	0.0);		
(670140.6,	4341605.8,	870.7,	870.7,	0.0);	(670361.9,
4341605.8,	880.5,	880.5,	0.0);		
(670583.2,	4341605.8,	884.3,	884.3,	0.0);	(670804.5,
4341605.8,	871.3,	890.0,	0.0);		
(671025.8,	4341605.8,	878.3,	878.3,	0.0);	(671689.8,
4341605.8,	840.9,	913.3,	0.0);		
(671911.1,	4341605.8,	857.2,	913.3,	0.0);	(672132.4,
4341605.8,	874.8,	913.1,	0.0);		
(672353.7,	4341605.8,	877.8,	913.3,	0.0);	(672575.0,
4341605.8,	841.0,	913.3,	0.0);		
(668148.8,	4341770.8,	786.2,	825.2,	0.0);	(668370.1,
4341770.8,	813.3,	825.2,	0.0);		
(668591.4,	4341770.8,	802.8,	825.2,	0.0);	(668812.7,
4341770.8,	811.0,	811.0,	0.0);		
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4341770.8,	836.3,	836.3,	0.0);		
(669476.7,	4341770.8,	844.6,	879.2,	0.0);	(669698.0,
4341770.8,	858.4,	881.1,	0.0);		
(669919.3,	4341770.8,	869.0,	869.0,	0.0);	(670140.6,
4341770.8,	874.6,	874.6,	0.0);		
(670361.9,	4341770.8,	884.5,	884.5,	0.0);	(670583.2,
4341770.8,	875.0,	875.0,	0.0);		
(670804.5,	4341770.8,	857.0,	891.1,	0.0);	(671025.8,
4341770.8,	852.1,	896.6,	0.0);		
(671689.8,	4341770.8,	859.3,	892.7,	0.0);	(671911.1,
4341770.8,	857.5,	912.3,	0.0);		
(672132.4,	4341770.8,	887.3,	912.1,	0.0);	(672353.7,
4341770.8,	900.1,	912.1,	0.0);		
(672575.0,	4341770.8,	840.8,	913.3,	0.0);	(668148.8,
4341935.8,	764.3,	825.2,	0.0);		
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(668812.7,	4341935.8,	816.8,	824.6,	0.0);	(669034.0,

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      ( 669255.3, 4341935.8,      845.1,      848.7,      0.0);      ( 669476.7,
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      ( 669698.0, 4341935.8,      872.3,      872.5,      0.0);      ( 669919.3,
4341935.8,      882.0,      882.0,      0.0);
      ( 670140.6, 4341935.8,      883.1,      883.1,      0.0);      ( 670361.9,
4341935.8,      879.9,      885.2,      0.0);
      ( 670583.2, 4341935.8,      862.8,      886.5,      0.0);      ( 670804.5,
4341935.8,      827.9,      898.5,      0.0);
      ( 671468.4, 4341935.8,      866.6,      892.8,      0.0);      ( 671689.8,
4341935.8,      868.5,      892.8,      0.0);
      ( 671911.1, 4341935.8,      865.1,      912.1,      0.0);      ( 672132.4,
4341935.8,      891.6,      909.0,      0.0);
      ( 672353.7, 4341935.8,      909.2,      909.2,      0.0);      ( 672575.0,
4341935.8,      855.8,      912.3,      0.0);
      ( 668148.8, 4342100.7,      770.9,      825.2,      0.0);      ( 668370.1,
4342100.7,      796.4,      812.4,      0.0);
      ( 668591.4, 4342100.7,      815.9,      815.9,      0.0);      ( 668812.7,
4342100.7,      818.7,      818.7,      0.0);
      ( 669034.0, 4342100.7,      831.5,      831.5,      0.0);      ( 669255.3,
4342100.7,      841.7,      848.8,      0.0);
      ( 669476.7, 4342100.7,      855.3,      860.3,      0.0);      ( 669698.0,
4342100.7,      864.3,      877.8,      0.0);
      ( 669919.3, 4342100.7,      867.8,      886.5,      0.0);      ( 670140.6,
4342100.7,      875.5,      880.9,      0.0);
      ( 670361.9, 4342100.7,      852.5,      886.5,      0.0);      ( 670583.2,
4342100.7,      819.4,      889.2,      0.0);
      ( 671468.4, 4342100.7,      884.9,      885.8,      0.0);      ( 671689.8,
4342100.7,      879.5,      892.8,      0.0);
      ( 671911.1, 4342100.7,      869.0,      869.0,      0.0);      ( 672132.4,
4342100.7,      880.6,      912.1,      0.0);
      ( 672353.7, 4342100.7,      897.6,      911.7,      0.0);      ( 672575.0,
4342100.7,      858.5,      912.3,      0.0);
      ( 668148.8, 4342265.7,      776.1,      806.2,      0.0);      ( 668370.1,
4342265.7,      799.3,      799.3,      0.0);

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^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 809

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*** MODELOPTs:      RegDFAULT  CONC  ELEV  RURAL

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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      ( 668591.4, 4342265.7,      785.7,      831.2,      0.0);      ( 668812.7,
4342265.7,      793.0,      850.7,      0.0);
      ( 669034.0, 4342265.7,      798.6,      878.0,      0.0);      ( 669255.3,

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4342265.7,	845.7,	886.5,	0.0);		
(670361.9,	4342265.7,	825.4,	889.2,	0.0);	(670583.2,
4342265.7,	820.6,	889.2,	0.0);		
(670804.5,	4342265.7,	829.2,	892.0,	0.0);	(671025.8,
4342265.7,	860.1,	867.0,	0.0);		
(671247.1,	4342265.7,	857.9,	898.1,	0.0);	(671468.4,
4342265.7,	879.4,	885.0,	0.0);		
(671689.8,	4342265.7,	876.5,	876.5,	0.0);	(671911.1,
4342265.7,	874.7,	874.7,	0.0);		
(672132.4,	4342265.7,	868.8,	915.8,	0.0);	(672353.7,
4342265.7,	871.9,	912.3,	0.0);		
(672575.0,	4342265.7,	841.1,	965.4,	0.0);	(668148.8,
4342430.6,	743.8,	825.2,	0.0);		
(668370.1,	4342430.6,	773.7,	819.0,	0.0);	(668591.4,
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(668812.7,	4342430.6,	756.1,	885.5,	0.0);	(669034.0,
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(669255.3,	4342430.6,	770.3,	886.5,	0.0);	(669476.7,
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(669698.0,	4342430.6,	800.1,	886.5,	0.0);	(669919.3,
4342430.6,	810.5,	886.5,	0.0);		
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4342430.6,	813.6,	900.1,	0.0);		
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(671025.8,	4342430.6,	851.4,	896.7,	0.0);	(671247.1,
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(671911.1,	4342430.6,	880.0,	919.3,	0.0);	(672132.4,
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(668148.8,	4342595.6,	750.5,	818.4,	0.0);	(668370.1,
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(668591.4,	4342595.6,	750.9,	868.6,	0.0);	(668812.7,
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(669034.0,	4342595.6,	761.8,	886.5,	0.0);	(669255.3,
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(669476.7,	4342595.6,	771.4,	886.5,	0.0);	(669698.0,
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4342595.6,	816.4,	889.2,	0.0);		
(670361.9,	4342595.6,	835.2,	889.2,	0.0);	(670583.2,
4342595.6,	870.5,	889.2,	0.0);		
(670804.5,	4342595.6,	863.8,	889.2,	0.0);	(671025.8,

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( 671247.1, 4342595.6,      868.2,      914.5,      0.0); ( 671468.4,
4342595.6,      895.7,      898.0,      0.0);
( 671689.8, 4342595.6,      904.3,      904.3,      0.0); ( 671911.1,
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( 672132.4, 4342595.6,      880.5,      940.6,      0.0); ( 672353.7,
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( 672575.0, 4342595.6,      839.1,      967.2,      0.0); ( 668148.8,
4342760.6,      765.3,      765.3,      0.0);
( 668370.1, 4342760.6,      772.1,      776.8,      0.0); ( 668591.4,
4342760.6,      760.7,      787.9,      0.0);
( 668812.7, 4342760.6,      768.4,      796.3,      0.0); ( 669034.0,
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( 669255.3, 4342760.6,      791.1,      791.1,      0.0); ( 669476.7,
4342760.6,      782.3,      886.5,      0.0);
( 669698.0, 4342760.6,      826.2,      850.2,      0.0); ( 669919.3,
4342760.6,      824.9,      867.2,      0.0);
( 670140.6, 4342760.6,      852.1,      867.2,      0.0); ( 670361.9,
4342760.6,      855.9,      889.2,      0.0);
( 670583.2, 4342760.6,      875.3,      889.2,      0.0); ( 670804.5,
4342760.6,      870.4,      899.5,      0.0);
( 671025.8, 4342760.6,      870.1,      903.1,      0.0); ( 671247.1,
4342760.6,      888.9,      903.4,      0.0);
( 671468.4, 4342760.6,      898.7,      907.9,      0.0); ( 671689.8,
4342760.6,      902.3,      910.5,      0.0);
( 671911.1, 4342760.6,      913.9,      913.9,      0.0); ( 672132.4,
4342760.6,      893.8,      940.6,      0.0);
( 672353.7, 4342760.6,      859.9,      965.7,      0.0); ( 672575.0,
4342760.6,      852.0,      967.2,      0.0);
( 668148.8, 4342925.5,      766.3,      772.9,      0.0); ( 668370.1,
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( 668591.4, 4342925.5,      780.2,      787.9,      0.0); ( 668812.7,
4342925.5,      775.0,      787.6,      0.0);
( 669034.0, 4342925.5,      780.0,      797.3,      0.0); ( 669476.7,
4342925.5,      791.9,      862.6,      0.0);
( 669698.0, 4342925.5,      832.3,      849.8,      0.0); ( 669919.3,
4342925.5,      850.1,      850.1,      0.0);

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▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 810

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 670140.6, 4342925.5,      861.5,      861.5,      0.0); ( 670361.9,

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4342925.5,	865.9,	865.9,	0.0);		
(670583.2,	4342925.5,	853.0,	904.6,	0.0);	(670804.5,
4342925.5,	861.0,	907.1,	0.0);		
(671025.8,	4342925.5,	897.1,	897.1,	0.0);	(671247.1,
4342925.5,	892.2,	910.9,	0.0);		
(671468.4,	4342925.5,	910.8,	910.8,	0.0);	(671689.8,
4342925.5,	911.7,	911.7,	0.0);		
(671911.1,	4342925.5,	918.6,	918.6,	0.0);	(672132.4,
4342925.5,	922.7,	935.8,	0.0);		
(672353.7,	4342925.5,	883.7,	959.2,	0.0);	(672575.0,
4342925.5,	863.6,	967.2,	0.0);		
(668148.8,	4343090.5,	741.1,	803.5,	0.0);	(668370.1,
4343090.5,	748.8,	803.5,	0.0);		
(668591.4,	4343090.5,	778.7,	787.4,	0.0);	(669476.7,
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(669698.0,	4343090.5,	803.9,	867.1,	0.0);	(669919.3,
4343090.5,	825.1,	867.0,	0.0);		
(670140.6,	4343090.5,	849.4,	860.5,	0.0);	(670361.9,
4343090.5,	834.2,	905.8,	0.0);		
(670583.2,	4343090.5,	822.5,	922.2,	0.0);	(670804.5,
4343090.5,	852.6,	912.2,	0.0);		
(671025.8,	4343090.5,	903.2,	903.2,	0.0);	(671247.1,
4343090.5,	898.7,	903.0,	0.0);		
(671468.4,	4343090.5,	914.5,	914.5,	0.0);	(671689.8,
4343090.5,	921.2,	921.2,	0.0);		
(671911.1,	4343090.5,	925.9,	925.9,	0.0);	(672132.4,
4343090.5,	925.7,	935.3,	0.0);		
(672353.7,	4343090.5,	933.5,	940.6,	0.0);	(672575.0,
4343090.5,	902.2,	962.9,	0.0);		
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4343255.4,	748.5,	805.6,	0.0);		
(668591.4,	4343255.4,	761.9,	787.7,	0.0);	(669476.7,
4343255.4,	799.8,	802.9,	0.0);		
(669698.0,	4343255.4,	805.7,	861.6,	0.0);	(669919.3,
4343255.4,	819.6,	863.7,	0.0);		
(670140.6,	4343255.4,	825.6,	867.3,	0.0);	(670361.9,
4343255.4,	816.4,	910.6,	0.0);		
(670583.2,	4343255.4,	806.2,	939.9,	0.0);	(670804.5,
4343255.4,	833.3,	935.2,	0.0);		
(671025.8,	4343255.4,	904.1,	904.9,	0.0);	(671247.1,
4343255.4,	908.0,	908.0,	0.0);		
(671468.4,	4343255.4,	912.6,	912.6,	0.0);	(671689.8,
4343255.4,	928.2,	928.2,	0.0);		
(671911.1,	4343255.4,	934.3,	939.9,	0.0);	(672132.4,
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(672353.7,	4343255.4,	933.5,	933.5,	0.0);	(672575.0,
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(668591.4,	4343420.4,	752.9,	819.8,	0.0);	(668812.7,

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( 669476.7, 4343420.4,      769.9,      867.0,      0.0);      ( 669698.0,
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( 669919.3, 4343420.4,      810.2,      830.6,      0.0);      ( 670140.6,
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( 670804.5, 4343420.4,      833.8,      936.0,      0.0);      ( 671025.8,
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( 671247.1, 4343420.4,      889.5,      926.7,      0.0);      ( 671468.4,
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( 671689.8, 4343420.4,      929.5,      929.5,      0.0);      ( 671911.1,
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( 672132.4, 4343420.4,      944.7,      944.7,      0.0);      ( 672353.7,
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( 668370.1, 4343585.4,      786.1,      803.5,      0.0);      ( 668591.4,
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( 668812.7, 4343585.4,      776.6,      819.8,      0.0);      ( 669034.0,
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( 669255.3, 4343585.4,      785.4,      825.5,      0.0);      ( 669476.7,
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( 670140.6, 4343585.4,      786.2,      921.5,      0.0);      ( 670361.9,
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( 670583.2, 4343585.4,      801.1,      942.2,      0.0);      ( 670804.5,
4343585.4,      816.4,      944.0,      0.0);
( 671025.8, 4343585.4,      834.5,      945.2,      0.0);      ( 671247.1,
4343585.4,      887.1,      928.0,      0.0);
( 671468.4, 4343585.4,      905.1,      930.2,      0.0);      ( 671689.8,
4343585.4,      912.3,      940.9,      0.0);
( 671911.1, 4343585.4,      931.5,      940.6,      0.0);      ( 672132.4,
4343585.4,      937.8,      947.4,      0.0);
( 672353.7, 4343585.4,      948.6,      948.6,      0.0);      ( 672575.0,
4343585.4,      950.5,      950.5,      0.0);

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^ *** AERMOD - VERSION 19191 ***      *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
***      10/04/21

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*** AERMET - VERSION 14134 ***      ***
***      13:59:48

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PAGE 811

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*** MODELOPTs:      RegDFAULT  CONC  ELEV  RURAL

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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(668148.8, 4343750.3, 786.8, 803.1,	0.0);	(668370.1,
4343750.3, 801.6, 801.6, 0.0);		
(668591.4, 4343750.3, 794.1, 815.5,	0.0);	(668812.7,
4343750.3, 786.5, 823.7, 0.0);		
(669034.0, 4343750.3, 812.4, 819.2,	0.0);	(669255.3,
4343750.3, 808.3, 812.6, 0.0);		
(669476.7, 4343750.3, 790.8, 825.5,	0.0);	(669698.0,
4343750.3, 783.8, 830.6, 0.0);		
(669919.3, 4343750.3, 782.5, 905.4,	0.0);	(670140.6,
4343750.3, 788.5, 919.3, 0.0);		
(670361.9, 4343750.3, 801.3, 923.0,	0.0);	(670583.2,
4343750.3, 799.0, 942.1, 0.0);		
(670804.5, 4343750.3, 803.8, 948.3,	0.0);	(671025.8,
4343750.3, 815.1, 949.3, 0.0);		
(671247.1, 4343750.3, 848.7, 948.0,	0.0);	(671468.4,
4343750.3, 851.8, 949.8, 0.0);		
(671689.8, 4343750.3, 855.9, 953.3,	0.0);	(671911.1,
4343750.3, 885.5, 949.8, 0.0);		
(672132.4, 4343750.3, 912.7, 949.8,	0.0);	(672353.7,
4343750.3, 938.4, 941.5, 0.0);		
(672575.0, 4343750.3, 940.9, 940.9,	0.0);	(668148.8,
4343915.3, 777.1, 871.5, 0.0);		
(668370.1, 4343915.3, 798.6, 798.6,	0.0);	(668591.4,
4343915.3, 810.4, 810.4, 0.0);		
(668812.7, 4343915.3, 806.2, 806.2,	0.0);	(669034.0,
4343915.3, 818.5, 818.5, 0.0);		
(669255.3, 4343915.3, 820.4, 820.4,	0.0);	(669476.7,
4343915.3, 807.4, 825.5, 0.0);		
(669698.0, 4343915.3, 789.9, 812.4,	0.0);	(669919.3,
4343915.3, 786.1, 919.1, 0.0);		
(670140.6, 4343915.3, 795.6, 925.7,	0.0);	(670361.9,
4343915.3, 798.9, 926.0, 0.0);		
(670583.2, 4343915.3, 806.5, 934.6,	0.0);	(670804.5,
4343915.3, 812.0, 943.2, 0.0);		
(671025.8, 4343915.3, 828.1, 944.5,	0.0);	(671247.1,
4343915.3, 817.8, 949.8, 0.0);		
(671468.4, 4343915.3, 853.2, 949.3,	0.0);	(671689.8,
4343915.3, 871.7, 949.8, 0.0);		
(671911.1, 4343915.3, 889.9, 949.8,	0.0);	(672132.4,
4343915.3, 893.1, 952.0, 0.0);		
(672353.7, 4343915.3, 903.7, 961.6,	0.0);	(672575.0,
4343915.3, 915.1, 967.2, 0.0);		
(668148.8, 4344080.2, 785.0, 872.9,	0.0);	(668370.1,
4344080.2, 792.3, 872.9, 0.0);		
(668591.4, 4344080.2, 806.6, 806.6,	0.0);	(668812.7,
4344080.2, 815.8, 815.8, 0.0);		
(669034.0, 4344080.2, 823.2, 823.2,	0.0);	(669255.3,
4344080.2, 826.0, 826.0, 0.0);		
(669476.7, 4344080.2, 803.8, 826.2,	0.0);	(669698.0,

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4344080.2,      795.2,      806.9,      0.0);
( 669919.3, 4344080.2,      796.7,      920.9,      0.0);      ( 670140.6,
4344080.2,      819.0,      910.2,      0.0);
( 670361.9, 4344080.2,      799.2,      926.0,      0.0);      ( 670583.2,
4344080.2,      808.7,      926.0,      0.0);
( 670804.5, 4344080.2,      828.3,      926.0,      0.0);      ( 671025.8,
4344080.2,      854.2,      873.4,      0.0);
( 671247.1, 4344080.2,      830.0,      948.9,      0.0);      ( 671468.4,
4344080.2,      833.9,      953.5,      0.0);
( 671689.8, 4344080.2,      886.4,      936.8,      0.0);      ( 671911.1,
4344080.2,      916.5,      929.3,      0.0);
( 672132.4, 4344080.2,      930.1,      935.6,      0.0);      ( 672353.7,
4344080.2,      927.0,      942.0,      0.0);
( 672575.0, 4344080.2,      935.8,      935.8,      0.0);      ( 671464.7,
4342094.3,      883.6,      887.1,      0.0);
( 671482.2, 4342063.9,      880.9,      892.8,      0.0);      ( 671498.6,
4342030.0,      879.2,      892.8,      0.0);
( 671513.8, 4341991.5,      876.3,      892.8,      0.0);      ( 671541.8,
4341964.7,      874.9,      892.8,      0.0);
( 671575.6, 4341974.0,      878.6,      892.8,      0.0);      ( 671460.8,
4342163.0,      886.6,      886.6,      0.0);
( 671451.0, 4342187.3,      886.1,      886.1,      0.0);      ( 671510.7,
4342219.7,      884.2,      884.2,      0.0);
( 671524.1, 4342192.8,      886.2,      890.0,      0.0);      ( 671522.9,
4342250.7,      881.8,      881.8,      0.0);
( 671599.1, 4342252.6,      880.6,      891.2,      0.0);      ( 671627.8,
4342256.8,      879.2,      891.0,      0.0);
( 671583.9, 4342116.0,      892.2,      892.2,      0.0);      ( 671595.5,
4342071.5,      891.5,      891.5,      0.0);
( 671663.1, 4342056.3,      882.7,      892.8,      0.0);      ( 671600.9,
4342030.1,      885.7,      892.7,      0.0);
( 671526.6, 4342155.6,      889.6,      889.6,      0.0);      ( 671629.0,
4342292.2,      877.9,      877.9,      0.0);
( 671641.8, 4341980.7,      877.9,      892.8,      0.0);      ( 671666.8,
4342018.5,      879.5,      892.8,      0.0);
( 671407.1, 4342219.7,      881.4,      885.7,      0.0);      ( 671415.6,
4342183.1,      882.2,      886.5,      0.0);
( 671635.1, 4341706.4,      854.3,      892.1,      0.0);      ( 671693.6,
4341710.1,      852.8,      892.7,      0.0);
( 671719.8, 4341736.3,      852.7,      892.8,      0.0);      ( 671673.5,
4341630.2,      845.7,      909.8,      0.0);

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^ *** AERMOD - VERSION 19191 ***      *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
***                               10/04/21

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*** AERMET - VERSION 14134 ***      ***
***                               13:59:48

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PAGE 812

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(671888.0, 4341936.2, 863.5, 912.1, 0.0);	(671977.6,
4341952.1, 870.5, 912.1, 0.0);	
(672039.2, 4341894.8, 879.2, 912.1, 0.0);	(671858.2,
4341754.0, 850.6, 912.3, 0.0);	
(671922.8, 4341634.5, 858.1, 913.3, 0.0);	(671613.7,
4341791.1, 861.3, 892.8, 0.0);	
(671853.3, 4341730.8, 850.6, 912.3, 0.0);	(671783.8,
4341585.7, 845.5, 913.3, 0.0);	
(671783.2, 4341546.7, 845.6, 913.3, 0.0);	(671769.2,
4341461.4, 845.8, 913.3, 0.0);	
(671800.9, 4341420.5, 849.1, 913.3, 0.0);	(671880.1,
4341427.2, 859.5, 913.3, 0.0);	
(672012.4, 4341504.7, 883.2, 904.3, 0.0);	(672084.3,
4341547.9, 878.6, 912.6, 0.0);	
(671915.5, 4341478.5, 863.1, 913.3, 0.0);	(671903.3,
4341564.4, 857.9, 913.3, 0.0);	
(671863.1, 4341522.3, 854.3, 913.3, 0.0);	(671830.1,
4341336.4, 852.4, 913.3, 0.0);	
(671835.6, 4341287.7, 853.6, 913.3, 0.0);	(671825.9,
4341275.5, 853.6, 913.3, 0.0);	
(672136.7, 4341370.6, 901.4, 903.1, 0.0);	(671920.3,
4341307.2, 867.6, 913.3, 0.0);	
(671695.4, 4341257.2, 862.5, 898.4, 0.0);	(671682.0,
4341176.1, 869.8, 898.3, 0.0);	
(671991.7, 4341196.2, 868.5, 913.3, 0.0);	(672022.1,
4341231.6, 872.8, 913.3, 0.0);	
(671992.3, 4341178.0, 873.8, 913.3, 0.0);	(671540.6,
4341238.3, 885.4, 897.7, 0.0);	
(671575.3, 4341178.0, 892.2, 892.2, 0.0);	(671454.7,
4341196.2, 888.2, 898.3, 0.0);	
(671523.5, 4341116.4, 896.2, 896.2, 0.0);	(671413.2,
4341126.7, 890.7, 898.3, 0.0);	
(671471.1, 4341064.6, 897.7, 897.7, 0.0);	(671601.6,
4341050.5, 880.8, 898.7, 0.0);	
(671198.6, 4341253.5, 893.8, 897.9, 0.0);	(671278.5,
4341212.1, 888.8, 899.8, 0.0);	
(671230.3, 4341132.8, 896.2, 896.2, 0.0);	(671073.1,
4341271.8, 898.7, 898.7, 0.0);	
(671122.5, 4341373.6, 889.8, 897.6, 0.0);	(671118.8,
4341397.4, 887.9, 897.4, 0.0);	
(670978.4, 4341324.1, 895.2, 895.2, 0.0);	(670932.9,
4341394.2, 890.7, 890.7, 0.0);	
(670935.2, 4341367.4, 891.4, 891.4, 0.0);	(671108.0,
4340976.2, 894.4, 894.4, 0.0);	
(671286.7, 4340978.5, 898.1, 898.1, 0.0);	(671675.4,
4342488.8, 891.0, 910.2, 0.0);	
(671091.4, 4342277.2, 858.8, 891.5, 0.0);	(671051.8,

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4342332.1,      863.0,      887.5,      0.0);
( 671051.8, 4342369.2,      860.6,      891.6,      0.0); ( 670953.0,
4342360.8,      860.9,      867.6,      0.0);
( 670695.7, 4342235.9,      834.4,      889.2,      0.0); ( 670545.5,
4342318.6,      825.3,      889.2,      0.0);
( 670711.7, 4342488.2,      861.5,      889.2,      0.0); ( 670648.3,
4342501.7,      864.4,      889.2,      0.0);
( 670648.3, 4342630.9,      882.8,      886.8,      0.0); ( 670806.3,
4342728.4,      870.6,      889.2,      0.0);
( 670688.2, 4342739.4,      887.7,      887.7,      0.0); ( 670804.9,
4342427.5,      847.1,      889.2,      0.0);
( 670439.5, 4342471.5,      829.2,      889.2,      0.0); ( 670358.4,
4342578.7,      832.6,      889.2,      0.0);
( 670546.6, 4342662.5,      866.3,      889.2,      0.0); ( 670537.0,
4342595.1,      865.5,      889.2,      0.0);
( 670483.5, 4342776.5,      867.7,      888.9,      0.0); ( 670508.2,
4342754.5,      868.4,      889.2,      0.0);
( 670517.8, 4342868.5,      867.9,      887.3,      0.0); ( 670545.3,
4342850.7,      871.8,      886.4,      0.0);
( 670582.4, 4342878.2,      869.4,      889.1,      0.0); ( 670304.9,
4342688.6,      847.3,      889.2,      0.0);
( 670039.7, 4342661.1,      814.3,      889.2,      0.0); ( 670156.5,
4342673.5,      830.5,      889.2,      0.0);
( 670236.2, 4342648.7,      835.0,      889.2,      0.0); ( 670071.3,
4342738.0,      834.8,      867.3,      0.0);
( 669990.2, 4342753.1,      829.2,      867.3,      0.0); ( 669928.4,
4342742.1,      821.1,      867.3,      0.0);
( 669815.8, 4342673.5,      813.9,      885.2,      0.0); ( 669743.0,
4342655.6,      815.5,      866.5,      0.0);
( 669791.0, 4342744.9,      823.5,      861.3,      0.0); ( 669696.2,
4342731.2,      824.0,      850.2,      0.0);
( 669536.9, 4342552.6,      771.1,      889.2,      0.0); ( 671174.9,
4342280.2,      855.7,      897.4,      0.0);
( 671068.4, 4342169.9,      846.3,      891.8,      0.0); ( 670965.7,
4342179.4,      842.7,      891.5,      0.0);
( 670815.5, 4342198.5,      825.3,      892.0,      0.0); ( 670737.6,
4342097.7,      816.2,      895.0,      0.0);
( 670762.3, 4342069.2,      816.3,      897.3,      0.0); ( 670817.4,
4342040.6,      818.1,      898.6,      0.0);
( 670895.4, 4342025.4,      820.9,      898.8,      0.0); ( 670979.0,
4341915.1,      823.5,      900.5,      0.0);
( 671115.9, 4341863.8,      829.1,      900.5,      0.0); ( 671199.6,
4341770.6,      831.1,      900.5,      0.0);

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^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(671222.4, 4341377.1, 877.6, 900.5, 0.0);	(671714.8,
4341392.3, 848.8, 913.3, 0.0);	
(671366.9, 4341998.8, 854.1, 892.8, 0.0);	(671226.2,
4342236.5, 855.3, 897.8, 0.0);	
(669098.4, 4343411.6, 760.1, 826.1, 0.0);	(668908.6,
4343364.6, 758.2, 821.0, 0.0);	
(668851.5, 4343359.5, 757.2, 819.9, 0.0);	(668831.4,
4343371.3, 756.6, 821.0, 0.0);	
(668733.9, 4343302.4, 760.0, 819.4, 0.0);	(668686.9,
4343200.0, 766.7, 769.0, 0.0);	
(668671.8, 4343089.1, 771.5, 787.9, 0.0);	(668806.2,
4343001.7, 769.8, 788.0, 0.0);	
(668918.7, 4343025.3, 775.2, 775.2, 0.0);	(669024.5,
4342943.0, 777.1, 797.3, 0.0);	
(669288.2, 4342916.1, 786.0, 851.4, 0.0);	(669333.6,
4342922.8, 786.1, 856.1, 0.0);	
(669365.5, 4342978.2, 784.0, 861.5, 0.0);	(669337.0,
4343151.2, 777.3, 861.7, 0.0);	
(669303.4, 4343304.1, 778.3, 850.5, 0.0);	(669222.7,
4343235.2, 773.0, 850.8, 0.0);	
(669135.4, 4343305.8, 763.4, 850.6, 0.0);	

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 814

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
FASTAREA/FASTALL

DISTANCE	SOURCE	- - RECEPTOR LOCATION - -	
(METERS)	ID	XR (METERS)	YR (METERS)
- - -			
	L0000568	671068.4	4342169.9
-19.45			

-8.27	L0000569	671068.4	4342169.9
-7.70	L0000574	671174.9	4342280.2
-15.46	L0000575	671174.9	4342280.2
-0.63	L0000634	670140.6	4343255.4
-14.34	L0000635	670140.6	4343255.4
-13.62	L0000670	669303.4	4343304.1
-3.56	L0000671	669303.4	4343304.1
-1.84	L0000163	668733.9	4343302.4
0.92	L0000167	668686.9	4343200.0
-5.20	L0000198	669288.2	4342916.1
-4.86	L0000199	669333.6	4342922.8
-0.62	L0000200	669333.6	4342922.8
0.76	L0000208	669337.0	4343151.2
-13.95	L0000216	669222.7	4343235.2
-3.01	L0000217	669222.7	4343235.2
-0.25	L0000222	669135.4	4343305.8
-18.30	L0000475	670965.7	4342179.4
0.06	L0000476	670965.7	4342179.4
-4.50	L0000481	670815.5	4342198.5
-1.27	L0000482	670815.5	4342198.5
-3.56	L0000492	670583.2	4342265.7
-7.42	L0000504	670361.9	4342430.6
-4.51	L0000523	669919.3	4342595.6
-12.59	L0000524	669919.3	4342595.6
0.03	L0000533	669698.0	4342595.6

-12.44	L0000545	669476.7	4342760.6
-0.88	L0000546	669476.7	4342760.6
-12.65	L0000857	671068.4	4342169.9
-13.96	L0000858	671068.4	4342169.9
-4.55	L0000859	671068.4	4342169.9
-12.61	L0000864	671174.9	4342280.2
-8.10	L0000865	671174.9	4342280.2
-11.14	L0000924	670140.6	4343255.4
-5.55	L0000925	670140.6	4343255.4
0.24	L0000942	669698.0	4343255.4
-8.09	L0000959	669303.4	4343304.1
-13.67	L0000960	669303.4	4343304.1
-3.20	L0000963	669222.7	4343235.2
-15.50	L0000964	669222.7	4343235.2

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 815

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
 BE PERFORMED *
 LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
 FASTAREA/FASTALL

DISTANCE	SOURCE	- - RECEPTOR LOCATION - -	
(METERS)	ID	XR (METERS)	YR (METERS)

- - -

L0000968	669135.4	4343305.8

-20.28	L0000969	669135.4	4343305.8
-1.84	L0000972	669098.4	4343411.6
-9.86	L0000973	669098.4	4343411.6
-12.42	L0000974	669098.4	4343411.6
-2.19	L0000975	669034.0	4343420.4
-5.09	L0000976	669034.0	4343420.4
-10.00	L0000981	668908.6	4343364.6
-11.65	L0000983	668851.5	4343359.5
-2.31	L0000984	668831.4	4343371.3
-11.20	L0000994	668591.4	4343420.4
-5.55			

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 816

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** METEOROLOGICAL DAYS SELECTED FOR

PROCESSING ***

(1=YES; 0=NO)

1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1		
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1		
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1		

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON

WHAT IS INCLUDED IN THE DATA FILE.

CATEGORIES ***

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED

(METERS/SEC)

1.54, 3.09, 5.14, 8.23,

10.80,

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 817

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL

DATA ***

Surface file: 725845\725845.SFC

Met Version: 14134

Profile file: 725845\725845.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 23225

Name: UNKNOWN

Year: 2009

Upper air station no.: 3198

Name: UNKNOWN

Year: 2009

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							
09	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.14	0.84	
1.00	0.00	0.	10.0	280.4	2.0									
09	01	01	1	02	-13.7	0.156	-9.000	-9.000	-999.	148.	20.7	1.05	0.84	
1.00	1.76	68.	10.0	280.4	2.0									
09	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.14	0.84	
1.00	0.00	0.	10.0	280.9	2.0									
09	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.14	0.84	
1.00	0.00	0.	10.0	280.9	2.0									
09	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.14	0.84	
1.00	0.00	0.	10.0	280.9	2.0									
09	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.14	0.84	

1.00	0.00	0.	10.0	280.9	2.0								
09	01	01	1	07	-13.7	0.156	-9.000	-9.000	-999.	148.	20.7	1.05	0.84
1.00	1.76	75.	10.0	280.9	2.0								
09	01	01	1	08	-3.3	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.14	0.84
0.71	0.00	0.	10.0	282.0	2.0								
09	01	01	1	09	7.1	0.336	0.245	0.005	62.	468.	-403.9	1.15	0.84
0.36	1.76	7.	10.0	282.5	2.0								
09	01	01	1	10	47.6	-9.000	-9.000	-9.000	192.	-999.	-99999.0	1.14	0.84
0.23	0.00	0.	10.0	283.1	2.0								
09	01	01	1	11	15.7	0.353	0.471	0.005	199.	503.	-210.1	1.19	0.84
0.19	1.76	294.	10.0	283.1	2.0								
09	01	01	1	12	94.9	-9.000	-9.000	-9.000	235.	-999.	-99999.0	1.14	0.84
0.17	0.00	0.	10.0	283.8	2.0								
09	01	01	1	13	20.6	0.358	0.550	0.005	242.	514.	-166.5	1.19	0.84
0.17	1.76	263.	10.0	283.1	2.0								
09	01	01	1	14	40.3	-9.000	-9.000	-9.000	255.	-999.	-99999.0	1.14	0.84
0.18	0.00	0.	10.0	283.1	2.0								
09	01	01	1	15	49.8	0.746	0.800	0.005	308.	1545.	-623.4	1.20	0.84
0.22	3.86	192.	10.0	283.1	2.0								
09	01	01	1	16	15.7	0.550	0.591	0.005	393.	1022.	-790.4	1.20	0.84
0.32	2.86	184.	10.0	282.5	2.0								
09	01	01	1	17	1.1	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.14	0.84
0.60	0.00	0.	10.0	281.4	2.0								
09	01	01	1	18	-13.6	0.158	-9.000	-9.000	-999.	150.	21.6	1.08	0.84
1.00	1.76	177.	10.0	281.4	2.0								
09	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.14	0.84
1.00	0.00	0.	10.0	280.4	2.0								
09	01	01	1	20	-13.9	0.158	-9.000	-9.000	-999.	150.	21.1	1.08	0.84
1.00	1.76	147.	10.0	280.4	2.0								
09	01	01	1	21	-18.2	0.387	-9.000	-9.000	-999.	578.	237.7	1.08	0.84
1.00	2.36	150.	10.0	280.4	2.0								
09	01	01	1	22	-27.3	0.579	-9.000	-9.000	-999.	1056.	530.8	1.08	0.84
1.00	3.36	172.	10.0	279.9	2.0								
09	01	01	1	23	-31.7	0.672	-9.000	-9.000	-999.	1319.	715.6	1.08	0.84
1.00	3.86	170.	10.0	279.9	2.0								
09	01	01	1	24	-36.1	0.764	-9.000	-9.000	-999.	1599.	922.1	1.08	0.84
1.00	4.36	160.	10.0	278.8	2.0								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	-999.	-99.00	280.4	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4340781.04	0.18809	668370.10
4340781.04	0.22125		
668591.41	4340781.04	0.25567	668812.72
4340781.04	0.29264		
669034.03	4340781.04	0.33691	669255.34
4340781.04	0.38442		
669476.65	4340781.04	0.42647	669697.96
4340781.04	0.46470		
669919.27	4340781.04	0.52217	670140.58
4340781.04	0.42883		
670361.89	4340781.04	0.28182	670583.20
4340781.04	0.15930		
670804.51	4340781.04	0.14507	671025.82
4340781.04	0.10278		
671247.13	4340781.04	0.07734	671468.44
4340781.04	0.08068		
671689.75	4340781.04	0.06245	671911.06
4340781.04	0.05804		
672132.37	4340781.04	0.03469	672353.68
4340781.04	0.04954		
672574.99	4340781.04	0.04490	668148.79
4340946.00	0.17487		
668370.10	4340946.00	0.20973	668591.41
4340946.00	0.24780		
668812.72	4340946.00	0.29036	669034.03
4340946.00	0.34850		
669255.34	4340946.00	0.40823	669476.65
4340946.00	0.46809		
669697.96	4340946.00	0.53775	669919.27
4340946.00	0.66492		
670140.58	4340946.00	0.62411	670361.89
4340946.00	0.45108		
670583.20	4340946.00	0.29597	670804.51
4340946.00	0.17756		

671025.82	4340946.00	0.11948	671247.13
4340946.00	0.08486		
671468.44	4340946.00	0.07485	671689.75
4340946.00	0.07973		
671911.06	4340946.00	0.07980	672132.37
4340946.00	0.03879		
672353.68	4340946.00	0.03938	672574.99
4340946.00	0.04237		
668148.79	4341110.96	0.16475	668370.10
4341110.96	0.19313		
668591.41	4341110.96	0.23655	668812.72
4341110.96	0.28384		
669034.03	4341110.96	0.34478	669255.34
4341110.96	0.41141		
669476.65	4341110.96	0.50239	669697.96
4341110.96	0.60325		
669919.27	4341110.96	0.69713	670140.58
4341110.96	0.82901		
670361.89	4341110.96	0.63217	670583.20
4341110.96	0.31308		
670804.51	4341110.96	0.17636	671025.82
4341110.96	0.12000		
671247.13	4341110.96	0.11161	671468.44
4341110.96	0.08253		
671689.75	4341110.96	0.12226	671911.06
4341110.96	0.09499		
672132.37	4341110.96	0.04099	672353.68
4341110.96	0.03333		
672574.99	4341110.96	0.04459	668148.79
4341275.92	0.15518		
668370.10	4341275.92	0.18316	668591.41
4341275.92	0.22223		
668812.72	4341275.92	0.27248	669034.03
4341275.92	0.33710		
669255.34	4341275.92	0.41560	669476.65
4341275.92	0.51466		
669697.96	4341275.92	0.64476	669919.27
4341275.92	0.91538		
670140.58	4341275.92	0.90921	670361.89
4341275.92	0.74549		
670583.20	4341275.92	0.37796	670804.51
4341275.92	0.21107		
671025.82	4341275.92	0.14582	671247.13
4341275.92	0.16572		
671468.44	4341275.92	0.16734	671689.75
4341275.92	0.17486		

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***                                     10/04/21
*** AERMET - VERSION 14134 *** ***
***                                     13:59:48

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
671911.06	4341275.92	0.12326	672132.37
4341275.92	0.04617		
672353.68	4341275.92	0.03478	672574.99
4341275.92	0.05744		
668148.79	4341440.88	0.14430	668370.10
4341440.88	0.17128		
668591.41	4341440.88	0.20605	668812.72
4341440.88	0.25363		
669034.03	4341440.88	0.31346	669255.34
4341440.88	0.38994		
669476.65	4341440.88	0.50021	669697.96
4341440.88	0.65496		
669919.27	4341440.88	0.89786	670140.58
4341440.88	0.90721		
670361.89	4341440.88	1.00143	670583.20
4341440.88	0.67094		
670804.51	4341440.88	0.41368	671025.82
4341440.88	0.23195		
671689.75	4341440.88	0.23653	671911.06
4341440.88	0.11795		
672132.37	4341440.88	0.05805	672353.68
4341440.88	0.05776		
672574.99	4341440.88	0.07305	668148.79
4341605.84	0.13965		
668370.10	4341605.84	0.16346	668591.41
4341605.84	0.19345		
668812.72	4341605.84	0.23287	669034.03
4341605.84	0.28492		
669255.34	4341605.84	0.35749	669476.65
4341605.84	0.46322		
669697.96	4341605.84	0.61928	669919.27
4341605.84	0.69191		

670140.58	4341605.84	0.89782	670361.89
4341605.84	1.06102		
670583.20	4341605.84	1.27969	670804.51
4341605.84	1.11807		
671025.82	4341605.84	0.51404	671689.75
4341605.84	0.29380		
671911.06	4341605.84	0.16147	672132.37
4341605.84	0.10601		
672353.68	4341605.84	0.08115	672574.99
4341605.84	0.08443		
668148.79	4341770.80	0.13080	668370.10
4341770.80	0.15584		
668591.41	4341770.80	0.17950	668812.72
4341770.80	0.21495		
669034.03	4341770.80	0.26320	669255.34
4341770.80	0.32939		
669476.65	4341770.80	0.42113	669697.96
4341770.80	0.42396		
669919.27	4341770.80	0.44162	670140.58
4341770.80	0.55778		
670361.89	4341770.80	0.77807	670583.20
4341770.80	1.86652		
670804.51	4341770.80	4.64719	671025.82
4341770.80	3.02311		
671689.75	4341770.80	0.31658	671911.06
4341770.80	0.22949		
672132.37	4341770.80	0.11099	672353.68
4341770.80	0.07500		
672574.99	4341770.80	0.09601	668148.79
4341935.76	0.12318		
668370.10	4341935.76	0.14522	668591.41
4341935.76	0.17350		
668812.72	4341935.76	0.20820	669034.03
4341935.76	0.25266		
669255.34	4341935.76	0.31099	669476.65
4341935.76	0.30665		
669697.96	4341935.76	0.25990	669919.27
4341935.76	0.23469		
670140.58	4341935.76	0.30662	670361.89
4341935.76	0.49150		
670583.20	4341935.76	1.78676	670804.51
4341935.76	7.48527		
671468.44	4341935.76	0.80716	671689.75
4341935.76	0.40873		
671911.06	4341935.76	0.25869	672132.37
4341935.76	0.13731		
672353.68	4341935.76	0.09002	672574.99
4341935.76	0.10257		

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*** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 820

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4342100.72	0.12479	668370.10
4342100.72	0.14880		
668591.41	4342100.72	0.17689	668812.72
4342100.72	0.20867		
669034.03	4342100.72	0.25243	669255.34
4342100.72	0.30981		
669476.65	4342100.72	0.29781	669697.96
4342100.72	0.30404		
669919.27	4342100.72	0.33811	670140.58
4342100.72	0.31298		
670361.89	4342100.72	1.18018	670583.20
4342100.72	2.81395		
671468.44	4342100.72	1.06526	671689.75
4342100.72	0.47761		
671911.06	4342100.72	0.29186	672132.37
4342100.72	0.16703		
672353.68	4342100.72	0.10346	672574.99
4342100.72	0.10497		
668148.79	4342265.68	0.12966	668370.10
4342265.68	0.15426		
668591.41	4342265.68	0.17484	668812.72
4342265.68	0.20839		
669034.03	4342265.68	0.25211	669255.34
4342265.68	0.31851		
669476.65	4342265.68	0.40676	669697.96
4342265.68	0.53990		
669919.27	4342265.68	0.74169	670140.58
4342265.68	1.01864		
670361.89	4342265.68	1.70871	670583.20
4342265.68	3.06168		

670804.51	4342265.68	7.09835	671025.82
4342265.68	11.66970		
671247.13	4342265.68	4.83433	671468.44
4342265.68	0.89356		
671689.75	4342265.68	0.44971	671911.06
4342265.68	0.26635		
672132.37	4342265.68	0.18121	672353.68
4342265.68	0.12086		
672574.99	4342265.68	0.10720	668148.79
4342430.64	0.12845		
668370.10	4342430.64	0.15586	668591.41
4342430.64	0.17461		
668812.72	4342430.64	0.20553	669034.03
4342430.64	0.24801		
669255.34	4342430.64	0.31056	669476.65
4342430.64	0.41791		
669697.96	4342430.64	0.54843	669919.27
4342430.64	0.76609		
670140.58	4342430.64	1.07865	670361.89
4342430.64	1.63842		
670583.20	4342430.64	2.75459	670804.51
4342430.64	4.23427		
671025.82	4342430.64	4.77531	671247.13
4342430.64	1.96646		
671468.44	4342430.64	0.64441	671689.75
4342430.64	0.32772		
671911.06	4342430.64	0.20483	672132.37
4342430.64	0.16327		
672353.68	4342430.64	0.13448	672574.99
4342430.64	0.10116		
668148.79	4342595.60	0.13806	668370.10
4342595.60	0.15793		
668591.41	4342595.60	0.18486	668812.72
4342595.60	0.22046		
669034.03	4342595.60	0.26749	669255.34
4342595.60	0.33497		
669476.65	4342595.60	0.41611	669697.96
4342595.60	0.57285		
669919.27	4342595.60	0.73599	670140.58
4342595.60	1.05263		
670361.89	4342595.60	1.47776	670583.20
4342595.60	1.21673		
670804.51	4342595.60	1.86565	671025.82
4342595.60	2.27985		
671247.13	4342595.60	1.35311	671468.44
4342595.60	0.47236		
671689.75	4342595.60	0.23195	671911.06
4342595.60	0.15300		
672132.37	4342595.60	0.12059	672353.68
4342595.60	0.11343		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 821

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: SRCGP1
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672574.99	4342595.60	0.09385	668148.79
4342760.56	0.15057		
668370.10	4342760.56	0.17579	668591.41
4342760.56	0.19999		
668812.72	4342760.56	0.23926	669034.03
4342760.56	0.29556		
669255.34	4342760.56	0.36328	669476.65
4342760.56	0.43464		
669697.96	4342760.56	0.59417	669919.27
4342760.56	0.74382		
670140.58	4342760.56	0.91127	670361.89
4342760.56	1.14607		
670583.20	4342760.56	0.90731	670804.51
4342760.56	1.09500		
671025.82	4342760.56	1.17679	671247.13
4342760.56	0.77124		
671468.44	4342760.56	0.39297	671689.75
4342760.56	0.20444		
671911.06	4342760.56	0.12091	672132.37
4342760.56	0.09983		
672353.68	4342760.56	0.09805	672574.99
4342760.56	0.07768		
668148.79	4342925.52	0.15833	668370.10
4342925.52	0.18293		
668591.41	4342925.52	0.21624	668812.72
4342925.52	0.24969		
669034.03	4342925.52	0.29676	669476.65
4342925.52	0.42954		

669697.96	4342925.52	0.55197	669919.27
4342925.52	0.65022		
670140.58	4342925.52	0.71641	670361.89
4342925.52	0.78437		
670583.20	4342925.52	0.93606	670804.51
4342925.52	0.83373		
671025.82	4342925.52	0.64942	671247.13
4342925.52	0.53864		
671468.44	4342925.52	0.30439	671689.75
4342925.52	0.17295		
671911.06	4342925.52	0.10723	672132.37
4342925.52	0.07302		
672353.68	4342925.52	0.07371	672574.99
4342925.52	0.06985		
668148.79	4343090.48	0.15595	668370.10
4343090.48	0.17985		
668591.41	4343090.48	0.21800	669476.65
4343090.48	0.39282		
669697.96	4343090.48	0.47372	669919.27
4343090.48	0.56200		
670140.58	4343090.48	0.67168	670361.89
4343090.48	0.66073		
670583.20	4343090.48	0.64769	670804.51
4343090.48	0.63820		
671025.82	4343090.48	0.45489	671247.13
4343090.48	0.38984		
671468.44	4343090.48	0.24916	671689.75
4343090.48	0.14936		
671911.06	4343090.48	0.09404	672132.37
4343090.48	0.06732		
672353.68	4343090.48	0.04817	672574.99
4343090.48	0.04710		
668148.79	4343255.44	0.15836	668370.10
4343255.44	0.17981		
668591.41	4343255.44	0.20817	669476.65
4343255.44	0.36926		
669697.96	4343255.44	0.41954	669919.27
4343255.44	0.47222		
670140.58	4343255.44	0.50269	670361.89
4343255.44	0.49820		
670583.20	4343255.44	0.48057	670804.51
4343255.44	0.49211		
671025.82	4343255.44	0.34531	671247.13
4343255.44	0.29103		
671468.44	4343255.44	0.21125	671689.75
4343255.44	0.13076		
671911.06	4343255.44	0.08406	672132.37
4343255.44	0.05973		
672353.68	4343255.44	0.04592	672574.99
4343255.44	0.03398		

668148.79 4343420.40 0.16283 668370.10
 4343420.40 0.18006
 *** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 822

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668591.41	4343420.40	0.19785	668812.72
4343420.40	0.22439		
669034.03	4343420.40	0.25023	669255.34
4343420.40	0.28000		
669476.65	4343420.40	0.31346	669697.96
4343420.40	0.36885		
669919.27	4343420.40	0.39146	670140.58
4343420.40	0.38787		
670361.89	4343420.40	0.38230	670583.20
4343420.40	0.37573		
670804.51	4343420.40	0.38568	671025.82
4343420.40	0.32624		
671247.13	4343420.40	0.25308	671468.44
4343420.40	0.17327		
671689.75	4343420.40	0.11735	671911.06
4343420.40	0.07696		
672132.37	4343420.40	0.05403	672353.68
4343420.40	0.04045		
672574.99	4343420.40	0.03154	668148.79
4343585.36	0.16511		
668370.10	4343585.36	0.18114	668591.41
4343585.36	0.19229		
668812.72	4343585.36	0.21695	669034.03
4343585.36	0.24271		
669255.34	4343585.36	0.26634	669476.65
4343585.36	0.28879		

669697.96	4343585.36	0.30110	669919.27
4343585.36	0.31269		
670140.58	4343585.36	0.31270	670361.89
4343585.36	0.30619		
670583.20	4343585.36	0.30503	670804.51
4343585.36	0.30838		
671025.82	4343585.36	0.29399	671247.13
4343585.36	0.20910		
671468.44	4343585.36	0.15637	671689.75
4343585.36	0.11475		
671911.06	4343585.36	0.07489	672132.37
4343585.36	0.05258		
672353.68	4343585.36	0.03798	672574.99
4343585.36	0.03021		
668148.79	4343750.32	0.15803	668370.10
4343750.32	0.17598		
668591.41	4343750.32	0.19059	668812.72
4343750.32	0.20601		
669034.03	4343750.32	0.23206	669255.34
4343750.32	0.24965		
669476.65	4343750.32	0.25877	669697.96
4343750.32	0.26462		
669919.27	4343750.32	0.26444	670140.58
4343750.32	0.25989		
670361.89	4343750.32	0.25574	670583.20
4343750.32	0.25237		
670804.51	4343750.32	0.25205	671025.82
4343750.32	0.23953		
671247.13	4343750.32	0.20211	671468.44
4343750.32	0.16359		
671689.75	4343750.32	0.13413	671911.06
4343750.32	0.09072		
672132.37	4343750.32	0.05629	672353.68
4343750.32	0.03813		
672574.99	4343750.32	0.02957	668148.79
4343915.28	0.14875		
668370.10	4343915.28	0.16588	668591.41
4343915.28	0.18215		
668812.72	4343915.28	0.19637	669034.03
4343915.28	0.21351		
669255.34	4343915.28	0.22689	669476.65
4343915.28	0.23298		
669697.96	4343915.28	0.23028	669919.27
4343915.28	0.22504		
670140.58	4343915.28	0.21993	670361.89
4343915.28	0.21449		
670583.20	4343915.28	0.21412	670804.51
4343915.28	0.21279		
671025.82	4343915.28	0.20135	671247.13
4343915.28	0.17577		

671468.44	4343915.28	0.14018	671689.75
4343915.28	0.10990		
671911.06	4343915.28	0.08106	672132.37
4343915.28	0.06051		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 823

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): PAREA1 ,

 *** DISCRETE CARTESIAN RECEPTOR POINTS

 ** CONC OF VARIOUS IN MICROGRAMS/M**3
 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

672353.68	4343915.28	0.04258	672574.99
4343915.28	0.03216		
668148.79	4344080.24	0.14289	668370.10
4344080.24	0.15531		
668591.41	4344080.24	0.16971	668812.72
4344080.24	0.18315		
669034.03	4344080.24	0.19497	669255.34
4344080.24	0.20349		
669476.65	4344080.24	0.20351	669697.96
4344080.24	0.19989		
669919.27	4344080.24	0.19426	670140.58
4344080.24	0.19053		
670361.89	4344080.24	0.18330	670583.20
4344080.24	0.18344		
670804.51	4344080.24	0.18237	671025.82
4344080.24	0.16761		
671247.13	4344080.24	0.15093	671468.44
4344080.24	0.12828		
671689.75	4344080.24	0.09077	671911.06
4344080.24	0.06499		
672132.37	4344080.24	0.04742	672353.68
4344080.24	0.03687		
672574.99	4344080.24	0.02857	671464.71
4342094.27	1.09371		

671482.23	4342063.91	1.00227	671498.58
4342030.05	0.87475		
671513.75	4341991.52	0.74833	671541.78
4341964.66	0.63080		
671575.64	4341974.00	0.55890	671460.75
4342162.97	1.05240		
671451.00	4342187.35	1.06717	671510.73
4342219.66	0.80024		
671524.14	4342192.84	0.77432	671522.92
4342250.74	0.73216		
671599.11	4342252.57	0.57192	671627.76
4342256.84	0.52726		
671583.88	4342116.03	0.61357	671595.46
4342071.54	0.58349		
671663.12	4342056.30	0.49328	671600.94
4342030.09	0.56248		
671526.58	4342155.65	0.76978	671628.98
4342292.19	0.49719		
671641.78	4341980.71	0.46919	671666.77
4342018.51	0.47251		
671407.11	4342219.66	1.26892	671415.64
4342183.08	1.32565		
671635.08	4341706.42	0.31747	671693.59
4341710.08	0.29086		
671719.80	4341736.29	0.29846	671673.48
4341630.23	0.29949		
671888.04	4341936.22	0.27700	671977.64
4341952.07	0.21973		
672039.21	4341894.77	0.16287	671858.17
4341753.96	0.25310		
671922.78	4341634.49	0.16997	671613.74
4341791.15	0.36211		
671853.29	4341730.80	0.24338	671783.81
4341585.73	0.23462		
671783.20	4341546.72	0.21479	671769.18
4341461.38	0.20437		
671800.87	4341420.54	0.18339	671880.11
4341427.25	0.13670		
672012.39	4341504.66	0.07999	672084.31
4341547.94	0.09119		
671915.47	4341478.45	0.11815	671903.28
4341564.40	0.14704		
671863.05	4341522.34	0.15671	671830.13
4341336.43	0.16544		
671835.62	4341287.66	0.15937	671825.87
4341275.47	0.16072		
672136.73	4341370.56	0.04912	671920.34
4341307.17	0.11184		
671695.42	4341257.19	0.16513	671682.01
4341176.12	0.12805		

671991.66	4341196.23	0.09786	672022.14
4341231.59	0.08186		
671992.27	4341177.95	0.08673	671540.60
4341238.29	0.10307		
671575.34	4341177.95	0.08372	671454.65
4341196.23	0.10519		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 824

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3
 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

671523.53	4341116.38	0.07763	671413.20
4341126.74	0.10546		
671471.11	4341064.57	0.07921	671601.55
4341050.55	0.08572		
671198.64	4341253.53	0.13641	671278.49
4341212.08	0.14341		
671230.34	4341132.84	0.11100	671073.08
4341271.82	0.13692		
671122.45	4341373.61	0.19268	671118.79
4341397.38	0.21183		
670978.40	4341324.15	0.17718	670932.85
4341394.21	0.24177		
670935.19	4341367.36	0.22473	671108.01
4340976.17	0.10364		
671286.67	4340978.51	0.08884	671675.37
4342488.78	0.29711		
671091.40	4342277.23	12.66432	671051.75
4342332.07	7.46200		
671051.75	4342369.20	6.12281	670953.04
4342360.76	5.41725		
670695.71	4342235.89	4.86499	670545.53
4342318.58	2.76352		

670711.74	4342488.16	2.35471	670648.30
4342501.73	1.81661		
670648.30	4342630.87	1.02090	670806.29
4342728.41	1.17988		
670688.15	4342739.41	0.85562	670804.92
4342427.55	4.28226		
670439.48	4342471.51	1.93121	670358.43
4342578.67	1.49873		
670546.64	4342662.47	1.23796	670537.03
4342595.15	1.31979		
670483.45	4342776.50	0.97466	670508.17
4342754.52	1.00398		
670517.79	4342868.54	0.85630	670545.27
4342850.69	0.82231		
670582.36	4342878.16	0.83144	670304.85
4342688.57	1.23239		
670039.70	4342661.10	0.88461	670156.48
4342673.46	1.04093		
670236.16	4342648.73	1.18000	670071.30
4342738.03	0.89720		
669990.24	4342753.14	0.80939	669928.42
4342742.15	0.75467		
669815.77	4342673.46	0.67727	669742.96
4342655.60	0.62788		
669791.04	4342744.90	0.65518	669696.25
4342731.16	0.59662		
669536.88	4342552.57	0.43805	671174.86
4342280.21	8.83756		
671068.38	4342169.93	65.24062	670965.71
4342179.44	25.90810		
670815.50	4342198.45	8.19121	670737.55
4342097.68	5.01900		
670762.27	4342069.16	5.61021	670817.40
4342040.64	7.63027		
670895.36	4342025.43	12.88981	670979.02
4341915.15	12.45630		
671115.92	4341863.81	5.65777	671199.58
4341770.65	1.98717		
671222.39	4341377.07	0.24095	671714.84
4341392.28	0.21544		
671366.89	4341998.81	2.11266	671226.19
4342236.48	7.15391		
669098.44	4343411.59	0.25810	668908.63
4343364.56	0.23816		
668851.52	4343359.52	0.23116	668831.37
4343371.27	0.22771		
668733.94	4343302.41	0.22203	668686.91
4343199.95	0.22363		
668671.79	4343089.09	0.22610	668806.17
4343001.74	0.24648		

668918.71	4343025.26	0.26876	669024.53
4342942.95	0.29253		
669288.24	4342916.08	0.36583	669333.59
4342922.80	0.37865		
669365.51	4342978.23	0.38025	669336.95
4343151.23	0.34307		
669303.36	4343304.09	0.31303	669222.73
4343235.22	0.30593		

*** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 825

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

669135.39	4343305.77	0.27720	

*** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 826

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2
 INCLUDING SOURCE(S): L0000674 , L0000675

, L0000676	, L0000677	, L0000678	,			
	L0000679	, L0000680	, L0000681	, L0000682	, L0000683	
, L0000684	, L0000685	, L0000686	,			
	L0000687	, L0000688	, L0000689	, L0000690	, L0000691	
, L0000692	, L0000693	, L0000694	,			
	L0000695	, L0000696	, L0000697	, L0000698	, L0000699	
, L0000700	,					

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4340781.04	0.06743	668370.10
4340781.04	0.07736		
668591.41	4340781.04	0.08756	668812.72
4340781.04	0.09831		
669034.03	4340781.04	0.11258	669255.34
4340781.04	0.12973		
669476.65	4340781.04	0.14714	669697.96
4340781.04	0.16957		
669919.27	4340781.04	0.25944	670140.58
4340781.04	0.39909		
670361.89	4340781.04	0.40095	670583.20
4340781.04	0.31053		
670804.51	4340781.04	0.24790	671025.82
4340781.04	0.16470		
671247.13	4340781.04	0.12857	671468.44
4340781.04	0.13144		
671689.75	4340781.04	0.13032	671911.06
4340781.04	0.10154		
672132.37	4340781.04	0.06876	672353.68
4340781.04	0.09025		
672574.99	4340781.04	0.09217	668148.79
4340946.00	0.06538		
668370.10	4340946.00	0.07567	668591.41
4340946.00	0.08651		
668812.72	4340946.00	0.09835	669034.03
4340946.00	0.11580		
669255.34	4340946.00	0.13441	669476.65
4340946.00	0.15475		
669697.96	4340946.00	0.18473	669919.27
4340946.00	0.38784		
670140.58	4340946.00	0.44144	670361.89
4340946.00	0.50689		
670583.20	4340946.00	0.49955	670804.51
4340946.00	0.35407		
671025.82	4340946.00	0.22011	671247.13
4340946.00	0.15038		
671468.44	4340946.00	0.13971	671689.75
4340946.00	0.17810		
671911.06	4340946.00	0.15314	672132.37

4340946.00	0.07468		
672353.68	4340946.00	0.08327	672574.99
4340946.00	0.09680		
668148.79	4341110.96	0.06499	668370.10
4341110.96	0.07332		
668591.41	4341110.96	0.08604	668812.72
4341110.96	0.09907		
669034.03	4341110.96	0.11599	669255.34
4341110.96	0.13422		
669476.65	4341110.96	0.16145	669697.96
4341110.96	0.19541		
669919.27	4341110.96	0.23261	670140.58
4341110.96	0.49543		
670361.89	4341110.96	0.57061	670583.20
4341110.96	0.53128		
670804.51	4341110.96	0.40485	671025.82
4341110.96	0.28131		
671247.13	4341110.96	0.22375	671468.44
4341110.96	0.18893		
671689.75	4341110.96	0.27726	671911.06
4341110.96	0.21184		
672132.37	4341110.96	0.09181	672353.68
4341110.96	0.06927		
672574.99	4341110.96	0.10083	668148.79
4341275.92	0.06498		
668370.10	4341275.92	0.07376	668591.41
4341275.92	0.08564		
668812.72	4341275.92	0.10027	669034.03
4341275.92	0.11935		
669255.34	4341275.92	0.13950	669476.65
4341275.92	0.16458		
669697.96	4341275.92	0.19958	669919.27
4341275.92	0.37330		
670140.58	4341275.92	0.44133	670361.89
4341275.92	0.52867		
670583.20	4341275.92	0.48827	670804.51
4341275.92	0.50548		
671025.82	4341275.92	0.43994	671247.13
4341275.92	0.43088		
671468.44	4341275.92	0.54675	671689.75
4341275.92	0.47108		

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 827

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000674 , L0000675
 , L0000676 , L0000677 , L0000678 ,
 L0000679 , L0000680 , L0000681 , L0000682 , L0000683
 , L0000684 , L0000685 , L0000686 ,
 L0000687 , L0000688 , L0000689 , L0000690 , L0000691
 , L0000692 , L0000693 , L0000694 ,
 L0000695 , L0000696 , L0000697 , L0000698 , L0000699
 , L0000700 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
671911.06	4341275.92	0.32783	672132.37
4341275.92	0.11335		
672353.68	4341275.92	0.08041	672574.99
4341275.92	0.12312		
668148.79	4341440.88	0.06424	668370.10
4341440.88	0.07357		
668591.41	4341440.88	0.08491	668812.72
4341440.88	0.10011		
669034.03	4341440.88	0.11799	669255.34
4341440.88	0.13765		
669476.65	4341440.88	0.16547	669697.96
4341440.88	0.20379		
669919.27	4341440.88	0.32831	670140.58
4341440.88	0.36684		
670361.89	4341440.88	0.45603	670583.20
4341440.88	0.49632		
670804.51	4341440.88	0.70758	671025.82
4341440.88	0.70472		
671689.75	4341440.88	1.60822	671911.06
4341440.88	0.42634		
672132.37	4341440.88	0.16514	672353.68
4341440.88	0.13417		
672574.99	4341440.88	0.28279	668148.79
4341605.84	0.06549		
668370.10	4341605.84	0.07452	668591.41
4341605.84	0.08529		
668812.72	4341605.84	0.09861	669034.03
4341605.84	0.11505		
669255.34	4341605.84	0.13642	669476.65
4341605.84	0.16480		

669697.96	4341605.84	0.20397	669919.27
4341605.84	0.25484		
670140.58	4341605.84	0.31848	670361.89
4341605.84	0.35948		
670583.20	4341605.84	0.49917	670804.51
4341605.84	1.02063		
671025.82	4341605.84	1.15974	671689.75
4341605.84	3.36343		
671911.06	4341605.84	0.70187	672132.37
4341605.84	0.29974		
672353.68	4341605.84	0.19344	672574.99
4341605.84	0.31098		
668148.79	4341770.80	0.06403	668370.10
4341770.80	0.07448		
668591.41	4341770.80	0.08344	668812.72
4341770.80	0.09669		
669034.03	4341770.80	0.11409	669255.34
4341770.80	0.13685		
669476.65	4341770.80	0.16496	669697.96
4341770.80	0.18626		
669919.27	4341770.80	0.19715	670140.58
4341770.80	0.22942		
670361.89	4341770.80	0.25278	670583.20
4341770.80	0.53010		
670804.51	4341770.80	1.50296	671025.82
4341770.80	2.70295		
671689.75	4341770.80	2.51929	671911.06
4341770.80	0.87796		
672132.37	4341770.80	0.31213	672353.68
4341770.80	0.17764		
672574.99	4341770.80	0.32873	668148.79
4341935.76	0.06217		
668370.10	4341935.76	0.07158	668591.41
4341935.76	0.08325		
668812.72	4341935.76	0.09722	669034.03
4341935.76	0.11477		
669255.34	4341935.76	0.13727	669476.65
4341935.76	0.14654		
669697.96	4341935.76	0.13904	669919.27
4341935.76	0.13208		
670140.58	4341935.76	0.16269	670361.89
4341935.76	0.23590		
670583.20	4341935.76	0.61096	670804.51
4341935.76	1.31822		
671468.44	4341935.76	9.60411	671689.75
4341935.76	1.90625		
671911.06	4341935.76	0.76986	672132.37
4341935.76	0.31180		
672353.68	4341935.76	0.17668	672574.99
4341935.76	0.20391		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 828

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000674 , L0000675
 , L0000676 , L0000677 , L0000678 ,
 L0000679 , L0000680 , L0000681 , L0000682 , L0000683
 , L0000684 , L0000685 , L0000686 ,
 L0000687 , L0000688 , L0000689 , L0000690 , L0000691
 , L0000692 , L0000693 , L0000694 ,
 L0000695 , L0000696 , L0000697 , L0000698 , L0000699
 , L0000700 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4342100.72	0.06292	668370.10
4342100.72	0.07312		
668591.41	4342100.72	0.08491	668812.72
4342100.72	0.09759		
669034.03	4342100.72	0.11499	669255.34
4342100.72	0.13684		
669476.65	4342100.72	0.15554	669697.96
4342100.72	0.17003		
669919.27	4342100.72	0.19787	670140.58
4342100.72	0.20447		
670361.89	4342100.72	0.47216	670583.20
4342100.72	0.69375		
671468.44	4342100.72	3.42780	671689.75
4342100.72	1.27897		
671911.06	4342100.72	0.64311	672132.37
4342100.72	0.31806		
672353.68	4342100.72	0.17891	672574.99
4342100.72	0.18635		
668148.79	4342265.68	0.06359	668370.10
4342265.68	0.07362		
668591.41	4342265.68	0.08171	668812.72

4342265.68	0.09434		
669034.03	4342265.68	0.11004	669255.34
4342265.68	0.13251		
669476.65	4342265.68	0.15966	669697.96
4342265.68	0.19814		
669919.27	4342265.68	0.24888	670140.58
4342265.68	0.32850		
670361.89	4342265.68	0.44175	670583.20
4342265.68	0.64964		
670804.51	4342265.68	1.13603	671025.82
4342265.68	2.38384		
671247.13	4342265.68	4.85250	671468.44
4342265.68	2.02714		
671689.75	4342265.68	0.96029	671911.06
4342265.68	0.49675		
672132.37	4342265.68	0.31864	672353.68
4342265.68	0.20506		
672574.99	4342265.68	0.30072	668148.79
4342430.64	0.06089		
668370.10	4342430.64	0.07110	668591.41
4342430.64	0.07805		
668812.72	4342430.64	0.08876	669034.03
4342430.64	0.10268		
669255.34	4342430.64	0.12169	669476.65
4342430.64	0.15099		
669697.96	4342430.64	0.18291	669919.27
4342430.64	0.23117		
670140.58	4342430.64	0.29404	670361.89
4342430.64	0.39782		
670583.20	4342430.64	0.62602	670804.51
4342430.64	0.96576		
671025.82	4342430.64	1.60297	671247.13
4342430.64	1.71701		
671468.44	4342430.64	1.19280	671689.75
4342430.64	0.65859		
671911.06	4342430.64	0.38315	672132.37
4342430.64	0.26952		
672353.68	4342430.64	0.35513	672574.99
4342430.64	0.27396		
668148.79	4342595.60	0.06135	668370.10
4342595.60	0.06826		
668591.41	4342595.60	0.07710	668812.72
4342595.60	0.08814		
669034.03	4342595.60	0.10187	669255.34
4342595.60	0.12028		
669476.65	4342595.60	0.14052	669697.96
4342595.60	0.17664		
669919.27	4342595.60	0.21192	670140.58
4342595.60	0.27850		
670361.89	4342595.60	0.37187	670583.20

4342595.60	0.48984		
670804.51	4342595.60	0.78899	671025.82
4342595.60	1.02849		
671247.13	4342595.60	1.11359	671468.44
4342595.60	0.74858		
671689.75	4342595.60	0.44442	671911.06
4342595.60	0.27370		
672132.37	4342595.60	0.20575	672353.68
4342595.60	0.23885		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 829

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000674 , L0000675
 , L0000676 , L0000677 , L0000678 ,
 L0000679 , L0000680 , L0000681 , L0000682 , L0000683
 , L0000684 , L0000685 , L0000686 ,
 L0000687 , L0000688 , L0000689 , L0000690 , L0000691
 , L0000692 , L0000693 , L0000694 ,
 L0000695 , L0000696 , L0000697 , L0000698 , L0000699
 , L0000700 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672574.99	4342595.60	0.25030	668148.79
4342760.56	0.06227		
668370.10	4342760.56	0.07016	668591.41
4342760.56	0.07742		
668812.72	4342760.56	0.08860	669034.03
4342760.56	0.10378		
669255.34	4342760.56	0.12113	669476.65
4342760.56	0.13850		
669697.96	4342760.56	0.17607	669919.27
4342760.56	0.21050		
670140.58	4342760.56	0.30787	670361.89
4342760.56	0.41718		

670583.20	4342760.56	0.41799	670804.51
4342760.56	0.55216		
671025.82	4342760.56	0.65144	671247.13
4342760.56	0.65487		
671468.44	4342760.56	0.52767	671689.75
4342760.56	0.35654		
671911.06	4342760.56	0.21707	672132.37
4342760.56	0.16215		
672353.68	4342760.56	0.16506	672574.99
4342760.56	0.17671		
668148.79	4342925.52	0.06171	668370.10
4342925.52	0.06897		
668591.41	4342925.52	0.07843	668812.72
4342925.52	0.08759		
669034.03	4342925.52	0.10010	669476.65
4342925.52	0.13439		
669697.96	4342925.52	0.16627	669919.27
4342925.52	0.21661		
670140.58	4342925.52	0.29127	670361.89
4342925.52	0.35201		
670583.20	4342925.52	0.41262	670804.51
4342925.52	0.45788		
671025.82	4342925.52	0.41218	671247.13
4342925.52	0.46391		
671468.44	4342925.52	0.37526	671689.75
4342925.52	0.27712		
671911.06	4342925.52	0.18341	672132.37
4342925.52	0.12229		
672353.68	4342925.52	0.11394	672574.99
4342925.52	0.10969		
668148.79	4343090.48	0.05868	668370.10
4343090.48	0.06565		
668591.41	4343090.48	0.07638	669476.65
4343090.48	0.12508		
669697.96	4343090.48	0.14826	669919.27
4343090.48	0.17699		
670140.58	4343090.48	0.22695	670361.89
4343090.48	0.24428		
670583.20	4343090.48	0.28498	670804.51
4343090.48	0.35140		
671025.82	4343090.48	0.31452	671247.13
4343090.48	0.34126		
671468.44	4343090.48	0.28786	671689.75
4343090.48	0.21923		
671911.06	4343090.48	0.15467	672132.37
4343090.48	0.10920		
672353.68	4343090.48	0.07620	672574.99
4343090.48	0.06894		
668148.79	4343255.44	0.05770	668370.10
4343255.44	0.06402		

668591.41	4343255.44	0.07222	669476.65
4343255.44	0.12026		
669697.96	4343255.44	0.13760	669919.27
4343255.44	0.15992		
670140.58	4343255.44	0.18403	670361.89
4343255.44	0.20813		
670583.20	4343255.44	0.23659	670804.51
4343255.44	0.28661		
671025.82	4343255.44	0.25301	671247.13
4343255.44	0.25915		
671468.44	4343255.44	0.23214	671689.75
4343255.44	0.17843		
671911.06	4343255.44	0.13058	672132.37
4343255.44	0.09632		
672353.68	4343255.44	0.07123	672574.99
4343255.44	0.05162		
668148.79	4343420.40	0.05786	668370.10
4343420.40	0.06312		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 830

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000674 , L0000675
 , L0000676 , L0000677 , L0000678 ,
 L0000679 , L0000680 , L0000681 , L0000682 , L0000683
 , L0000684 , L0000685 , L0000686 ,
 L0000687 , L0000688 , L0000689 , L0000690 , L0000691
 , L0000692 , L0000693 , L0000694 ,
 L0000695 , L0000696 , L0000697 , L0000698 , L0000699
 , L0000700 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668591.41	4343420.40	0.06869	668812.72
4343420.40	0.07681		
669034.03	4343420.40	0.08502	669255.34

4343420.40	0.09481		
669476.65	4343420.40	0.10675	669697.96
4343420.40	0.12777		
669919.27	4343420.40	0.14344	670140.58
4343420.40	0.15697		
670361.89	4343420.40	0.17761	670583.20
4343420.40	0.20251		
670804.51	4343420.40	0.24204	671025.82
4343420.40	0.24293		
671247.13	4343420.40	0.22549	671468.44
4343420.40	0.18552		
671689.75	4343420.40	0.15044	671911.06
4343420.40	0.11324		
672132.37	4343420.40	0.08386	672353.68
4343420.40	0.06265		
672574.99	4343420.40	0.04746	668148.79
4343585.36	0.05799		
668370.10	4343585.36	0.06306	668591.41
4343585.36	0.06688		
668812.72	4343585.36	0.07482	669034.03
4343585.36	0.08346		
669255.34	4343585.36	0.09218	669476.65
4343585.36	0.10205		
669697.96	4343585.36	0.11129	669919.27
4343585.36	0.12441		
670140.58	4343585.36	0.13883	670361.89
4343585.36	0.15559		
670583.20	4343585.36	0.17740	670804.51
4343585.36	0.20440		
671025.82	4343585.36	0.22941	671247.13
4343585.36	0.18841		
671468.44	4343585.36	0.16197	671689.75
4343585.36	0.13611		
671911.06	4343585.36	0.10321	672132.37
4343585.36	0.07846		
672353.68	4343585.36	0.05815	672574.99
4343585.36	0.04487		
668148.79	4343750.32	0.05575	668370.10
4343750.32	0.06168		
668591.41	4343750.32	0.06665	668812.72
4343750.32	0.07211		
669034.03	4343750.32	0.08168	669255.34
4343750.32	0.08929		
669476.65	4343750.32	0.09580	669697.96
4343750.32	0.10399		
669919.27	4343750.32	0.11359	670140.58
4343750.32	0.12544		
670361.89	4343750.32	0.14071	670583.20
4343750.32	0.15616		
670804.51	4343750.32	0.17522	671025.82

4343750.32	0.19335		
671247.13	4343750.32	0.19974	671468.44
4343750.32	0.17863		
671689.75	4343750.32	0.14528	671911.06
4343750.32	0.10994		
672132.37	4343750.32	0.07971	672353.68
4343750.32	0.05661		
672574.99	4343750.32	0.04429	668148.79
4343915.28	0.05300		
668370.10	4343915.28	0.05884	668591.41
4343915.28	0.06472		
668812.72	4343915.28	0.07013	669034.03
4343915.28	0.07752		
669255.34	4343915.28	0.08476	669476.65
4343915.28	0.09099		
669697.96	4343915.28	0.09654	669919.27
4343915.28	0.10400		
670140.58	4343915.28	0.11443	670361.89
4343915.28	0.12581		
670583.20	4343915.28	0.14024	670804.51
4343915.28	0.15540		
671025.82	4343915.28	0.16952	671247.13
4343915.28	0.17359		
671468.44	4343915.28	0.14384	671689.75
4343915.28	0.11868		
671911.06	4343915.28	0.09508	672132.37
4343915.28	0.07960		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 831

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000674 , L0000675
 , L0000676 , L0000677 , L0000678 ,
 L0000679 , L0000680 , L0000681 , L0000682 , L0000683
 , L0000684 , L0000685 , L0000686 ,
 L0000687 , L0000688 , L0000689 , L0000690 , L0000691
 , L0000692 , L0000693 , L0000694 ,
 L0000695 , L0000696 , L0000697 , L0000698 , L0000699
 , L0000700 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672353.68	4343915.28	0.06216	672574.99
4343915.28	0.04717		
668148.79	4344080.24	0.05137	668370.10
4344080.24	0.05587		
668591.41	4344080.24	0.06137	668812.72
4344080.24	0.06715		
669034.03	4344080.24	0.07337	669255.34
4344080.24	0.07969		
669476.65	4344080.24	0.08402	669697.96
4344080.24	0.08942		
669919.27	4344080.24	0.09627	670140.58
4344080.24	0.10654		
670361.89	4344080.24	0.11356	670583.20
4344080.24	0.12584		
670804.51	4344080.24	0.13952	671025.82
4344080.24	0.13330		
671247.13	4344080.24	0.15268	671468.44
4344080.24	0.15085		
671689.75	4344080.24	0.09830	671911.06
4344080.24	0.07698		
672132.37	4344080.24	0.06190	672353.68
4344080.24	0.05186		
672574.99	4344080.24	0.04099	671464.71
4342094.27	3.63987		
671482.23	4342063.91	3.85908	671498.58
4342030.05	4.07249		
671513.75	4341991.52	4.44135	671541.78
4341964.66	4.11543		
671575.64	4341974.00	3.03472	671460.75
4342162.97	2.76277		
671451.00	4342187.35	2.64510	671510.73
4342219.66	1.92508		
671524.14	4342192.84	1.93766	671522.92
4342250.74	1.71459		
671599.11	4342252.57	1.30495	671627.76
4342256.84	1.17979		
671583.88	4342116.03	1.73226	671595.46
4342071.54	1.83424		
671663.12	4342056.30	1.50696	671600.94
4342030.09	2.09114		
671526.58	4342155.65	2.06754	671628.98
4342292.19	1.09936		
671641.78	4341980.71	2.04111	671666.77
4342018.51	1.64272		

671407.11	4342219.66	2.90540	671415.64
4342183.08	3.23468		
671635.08	4341706.42	4.58365	671693.59
4341710.08	3.10198		
671719.80	4341736.29	2.66961	671673.48
4341630.23	4.17313		
671888.04	4341936.22	0.85307	671977.64
4341952.07	0.57664		
672039.21	4341894.77	0.44445	671858.17
4341753.96	1.59229		
671922.78	4341634.49	0.69974	671613.74
4341791.15	4.50928		
671853.29	4341730.80	1.63423	671783.81
4341585.73	1.92217		
671783.20	4341546.72	1.72510	671769.18
4341461.38	1.36907		
671800.87	4341420.54	1.05526	671880.11
4341427.25	0.49349		
672012.39	4341504.66	0.26944	672084.31
4341547.94	0.27839		
671915.47	4341478.45	0.45476	671903.28
4341564.40	0.64709		
671863.05	4341522.34	0.75169	671830.13
4341336.43	0.62895		
671835.62	4341287.66	0.49187	671825.87
4341275.47	0.48673		
672136.73	4341370.56	0.13110	671920.34
4341307.17	0.31277		
671695.42	4341257.19	0.42964	671682.01
4341176.12	0.30728		
671991.66	4341196.23	0.23550	672022.14
4341231.59	0.21057		
671992.27	4341177.95	0.20405	671540.60
4341238.29	0.29241		
671575.34	4341177.95	0.21793	671454.65
4341196.23	0.26800		

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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 *** AERMET - VERSION 14134 *** ***
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PAGE 832

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000674 , L0000675
 , L0000676 , L0000677 , L0000678 ,
 L0000679 , L0000680 , L0000681 , L0000682 , L0000683
 , L0000684 , L0000685 , L0000686 ,

, L0000687 , L0000688 , L0000689 , L0000690 , L0000691
 , L0000692 , L0000693 , L0000694 ,
 L0000695 , L0000696 , L0000697 , L0000698 , L0000699
 , L0000700 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
671523.53	4341116.38	0.18735	671413.20
4341126.74	0.22158		
671471.11	4341064.57	0.17158	671601.55
4341050.55	0.20663		
671198.64	4341253.53	0.36174	671278.49
4341212.08	0.31083		
671230.34	4341132.84	0.23104	671073.08
4341271.82	0.41732		
671122.45	4341373.61	0.63851	671118.79
4341397.38	0.71008		
670978.40	4341324.15	0.51900	670932.85
4341394.21	0.62825		
670935.19	4341367.36	0.59720	671108.01
4340976.17	0.18769		
671286.67	4340978.51	0.15664	671675.37
4342488.78	0.58910		
671091.40	4342277.23	3.24534	671051.75
4342332.07	2.17344		
671051.75	4342369.20	2.01916	670953.04
4342360.76	1.57543		
670695.71	4342235.89	0.88648	670545.53
4342318.58	0.59245		
670711.74	4342488.16	0.78162	670648.30
4342501.73	0.64692		
670648.30	4342630.87	0.41881	670806.29
4342728.41	0.58007		
670688.15	4342739.41	0.39069	670804.92
4342427.55	0.97295		
670439.48	4342471.51	0.44991	670358.43
4342578.67	0.37380		
670546.64	4342662.47	0.49669	670537.03
4342595.15	0.50562		
670483.45	4342776.50	0.42326	670508.17
4342754.52	0.43601		
670517.79	4342868.54	0.40798	670545.27

4342850.69	0.39891		
670582.36	4342878.16	0.41310	670304.85
4342688.57	0.34400		
670039.70	4342661.10	0.24195	670156.48
4342673.46	0.27774		
670236.16	4342648.73	0.30885	670071.30
4342738.03	0.24710		
669990.24	4342753.14	0.22608	669928.42
4342742.15	0.21278		
669815.77	4342673.46	0.19613	669742.96
4342655.60	0.18605		
669791.04	4342744.90	0.19002	669696.25
4342731.16	0.17712		
669536.88	4342552.57	0.14803	671174.86
4342280.21	4.45471		
671068.38	4342169.93	4.59417	670965.71
4342179.44	2.41796		
670815.50	4342198.45	1.24001	670737.55
4342097.68	1.00586		
670762.27	4342069.16	1.09245	670817.40
4342040.64	1.32026		
670895.36	4342025.43	1.78286	670979.02
4341915.15	2.36611		
671115.92	4341863.81	3.90643	671199.58
4341770.65	4.28445		
671222.39	4341377.07	0.85444	671714.84
4341392.28	1.21492		
671366.89	4341998.81	22.62057	671226.19
4342236.48	6.36988		
669098.44	4343411.59	0.08757	668908.63
4343364.56	0.08104		
668851.52	4343359.52	0.07890	668831.37
4343371.27	0.07786		
668733.94	4343302.41	0.07615	668686.91
4343199.95	0.07700		
668671.79	4343089.09	0.07867	668806.17
4343001.74	0.08545		
668918.71	4343025.26	0.09116	669024.53
4342942.95	0.09871		
669288.24	4342916.08	0.11824	669333.59
4342922.80	0.12145		
669365.51	4342978.23	0.12140	669336.95
4343151.23	0.11135		
669303.36	4343304.09	0.10366	669222.73
4343235.22	0.10091		

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PAGE 833

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000674 , L0000675
, L0000676 , L0000677 , L0000678 ,
L0000679 , L0000680 , L0000681 , L0000682 , L0000683
, L0000684 , L0000685 , L0000686 ,
L0000687 , L0000688 , L0000689 , L0000690 , L0000691
, L0000692 , L0000693 , L0000694 ,
L0000695 , L0000696 , L0000697 , L0000698 , L0000699
, L0000700 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
669135.39	4343305.77	0.09279	

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 834

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP3 ***

INCLUDING SOURCE(S): L0000555 , L0000556
, L0000557 , L0000558 , L0000559 ,
L0000560 , L0000561 , L0000562 , L0000563 , L0000564
, L0000565 , L0000566 , L0000567 ,
L0000568 , L0000569 , L0000570 , L0000571 , L0000572
, L0000573 , L0000574 , L0000575 ,
L0000576 , L0000577 , L0000578 , L0000579 , L0000580
, L0000581 , L0000582 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC	CONC	X-COORD (M)
668148.79 4340781.04	4340781.04 0.07717	0.07330	668370.10
668591.41 4340781.04	4340781.04 0.08582	0.08115	668812.72
669034.03 4340781.04	4340781.04 0.09421	0.09028	669255.34
669476.65 4340781.04	4340781.04 0.10242	0.09979	669697.96
669919.27 4340781.04	4340781.04 0.11049	0.11390	670140.58
670361.89 4340781.04	4340781.04 0.07373	0.09537	670583.20
670804.51 4340781.04	4340781.04 0.05635	0.06819	671025.82
671247.13 4340781.04	4340781.04 0.04313	0.04213	671468.44
671689.75 4340781.04	4340781.04 0.03611	0.04042	671911.06
672132.37 4340781.04	4340781.04 0.03458	0.02661	672353.68
672574.99 4340946.00	4340781.04 0.07613	0.04312	668148.79
668370.10 4340946.00	4340946.00 0.08839	0.08323	668591.41
668812.72 4340946.00	4340946.00 0.09857	0.09382	669034.03
669255.34 4340946.00	4340946.00 0.11159	0.10480	669476.65
669697.96 4340946.00	4340946.00 0.14135	0.11510	669919.27
670140.58 4340946.00	4340946.00 0.12182	0.13504	670361.89
670583.20 4340946.00	4340946.00 0.07959	0.10416	670804.51
671025.82 4340946.00	4340946.00 0.04483	0.06279	671247.13
671468.44 4340946.00	4340946.00 0.04868	0.04136	671689.75
671911.06 4340946.00	4340946.00 0.02673	0.04842	672132.37
672353.68 4340946.00	4340946.00 0.04634	0.03342	672574.99
668148.79 4341110.96	4341110.96 0.08759	0.08134	668370.10
668591.41 4341110.96	4341110.96	0.09555	668812.72

4341110.96	0.10193		
669034.03	4341110.96	0.10892	669255.34
4341110.96	0.11789		
669476.65	4341110.96	0.12414	669697.96
4341110.96	0.13118		
669919.27	4341110.96	0.13505	670140.58
4341110.96	0.16865		
670361.89	4341110.96	0.15289	670583.20
4341110.96	0.11055		
670804.51	4341110.96	0.07888	671025.82
4341110.96	0.06185		
671247.13	4341110.96	0.05565	671468.44
4341110.96	0.04699		
671689.75	4341110.96	0.06728	671911.06
4341110.96	0.05911		
672132.37	4341110.96	0.02956	672353.68
4341110.96	0.02753		
672574.99	4341110.96	0.04567	668148.79
4341275.92	0.08761		
668370.10	4341275.92	0.09540	668591.41
4341275.92	0.10322		
668812.72	4341275.92	0.10957	669034.03
4341275.92	0.12146		
669255.34	4341275.92	0.12707	669476.65
4341275.92	0.13811		
669697.96	4341275.92	0.14733	669919.27
4341275.92	0.17849		
670140.58	4341275.92	0.20822	670361.89
4341275.92	0.18002		
670583.20	4341275.92	0.11437	670804.51
4341275.92	0.09017		
671025.82	4341275.92	0.07222	671247.13
4341275.92	0.07639		
671468.44	4341275.92	0.08957	671689.75
4341275.92	0.09942		

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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 *** AERMET - VERSION 14134 *** ***
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PAGE 835

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP3 ***
 INCLUDING SOURCE(S): L0000555 , L0000556
 , L0000557 , L0000558 , L0000559 ,
 L0000560 , L0000561 , L0000562 , L0000563 , L0000564
 , L0000565 , L0000566 , L0000567 ,
 L0000568 , L0000569 , L0000570 , L0000571 , L0000572

, L0000573 , L0000574 , L0000575 ,
 L0000576 , L0000577 , L0000578 , L0000579 , L0000580
 , L0000581 , L0000582 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

671911.06	4341275.92	0.07994	672132.37
4341275.92	0.03534		
672353.68	4341275.92	0.02447	672574.99
4341275.92	0.04786		
668148.79	4341440.88	0.09296	668370.10
4341440.88	0.10431		
668591.41	4341440.88	0.11167	668812.72
4341440.88	0.11791		
669034.03	4341440.88	0.13534	669255.34
4341440.88	0.14012		
669476.65	4341440.88	0.15216	669697.96
4341440.88	0.16301		
669919.27	4341440.88	0.21611	670140.58
4341440.88	0.23922		
670361.89	4341440.88	0.22644	670583.20
4341440.88	0.15564		
670804.51	4341440.88	0.13740	671025.82
4341440.88	0.10182		
671689.75	4341440.88	0.15953	671911.06
4341440.88	0.09175		
672132.37	4341440.88	0.03924	672353.68
4341440.88	0.03397		
672574.99	4341440.88	0.07454	668148.79
4341605.84	0.10844		
668370.10	4341605.84	0.11434	668591.41
4341605.84	0.12094		
668812.72	4341605.84	0.12913	669034.03
4341605.84	0.13955		
669255.34	4341605.84	0.15281	669476.65
4341605.84	0.16996		
669697.96	4341605.84	0.18440	669919.27
4341605.84	0.24348		
670140.58	4341605.84	0.28218	670361.89
4341605.84	0.26965		
670583.20	4341605.84	0.24861	670804.51
4341605.84	0.25802		

671025.82	4341605.84	0.18183	671689.75
4341605.84	0.20222		
671911.06	4341605.84	0.11894	672132.37
4341605.84	0.05736		
672353.68	4341605.84	0.04445	672574.99
4341605.84	0.08456		
668148.79	4341770.80	0.11003	668370.10
4341770.80	0.12562		
668591.41	4341770.80	0.13237	668812.72
4341770.80	0.14220		
669034.03	4341770.80	0.15255	669255.34
4341770.80	0.17846		
669476.65	4341770.80	0.18779	669697.96
4341770.80	0.20955		
669919.27	4341770.80	0.25620	670140.58
4341770.80	0.29405		
670361.89	4341770.80	0.28563	670583.20
4341770.80	0.41946		
670804.51	4341770.80	0.58780	671025.82
4341770.80	0.53610		
671689.75	4341770.80	0.17993	671911.06
4341770.80	0.14100		
672132.37	4341770.80	0.05456	672353.68
4341770.80	0.03926		
672574.99	4341770.80	0.09297	668148.79
4341935.76	0.10946		
668370.10	4341935.76	0.12697	668591.41
4341935.76	0.14619		
668812.72	4341935.76	0.15600	669034.03
4341935.76	0.17109		
669255.34	4341935.76	0.20317	669476.65
4341935.76	0.20765		
669697.96	4341935.76	0.23371	669919.27
4341935.76	0.23176		
670140.58	4341935.76	0.26249	670361.89
4341935.76	0.33161		
670583.20	4341935.76	0.55097	670804.51
4341935.76	0.83575		
671468.44	4341935.76	0.28927	671689.75
4341935.76	0.17318		
671911.06	4341935.76	0.13419	672132.37
4341935.76	0.06275		
672353.68	4341935.76	0.04372	672574.99
4341935.76	0.08213		

▲ *** AERMOD - VERSION 19191 ***

 *** AERMET - VERSION 14134 ***

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP3 ***

INCLUDING SOURCE(S): L0000555 , L0000556
, L0000557 , L0000558 , L0000559 ,
L0000560 , L0000561 , L0000562 , L0000563 , L0000564
, L0000565 , L0000566 , L0000567 ,
L0000568 , L0000569 , L0000570 , L0000571 , L0000572
, L0000573 , L0000574 , L0000575 ,
L0000576 , L0000577 , L0000578 , L0000579 , L0000580
, L0000581 , L0000582 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4342100.72	0.11742	668370.10
4342100.72	0.15379		
668591.41	4342100.72	0.16508	668812.72
4342100.72	0.17369		
669034.03	4342100.72	0.20983	669255.34
4342100.72	0.23600		
669476.65	4342100.72	0.23460	669697.96
4342100.72	0.24904		
669919.27	4342100.72	0.28620	670140.58
4342100.72	0.32111		
670361.89	4342100.72	0.42139	670583.20
4342100.72	0.63543		
671468.44	4342100.72	0.30107	671689.75
4342100.72	0.17632		
671911.06	4342100.72	0.14067	672132.37
4342100.72	0.08470		
672353.68	4342100.72	0.05593	672574.99
4342100.72	0.08403		
668148.79	4342265.68	0.12538	668370.10
4342265.68	0.17410		
668591.41	4342265.68	0.17293	668812.72
4342265.68	0.19736		
669034.03	4342265.68	0.21612	669255.34
4342265.68	0.23585		
669476.65	4342265.68	0.26298	669697.96
4342265.68	0.31820		
669919.27	4342265.68	0.35088	670140.58

4342265.68	0.40571		
670361.89	4342265.68	0.54908	670583.20
4342265.68	0.75955		
670804.51	4342265.68	1.36086	671025.82
4342265.68	4.07586		
671247.13	4342265.68	3.23653	671468.44
4342265.68	0.40448		
671689.75	4342265.68	0.21559	671911.06
4342265.68	0.14145		
672132.37	4342265.68	0.11329	672353.68
4342265.68	0.07946		
672574.99	4342265.68	0.11223	668148.79
4342430.64	0.12533		
668370.10	4342430.64	0.15380	668591.41
4342430.64	0.17415		
668812.72	4342430.64	0.20302	669034.03
4342430.64	0.23767		
669255.34	4342430.64	0.28043	669476.65
4342430.64	0.32031		
669697.96	4342430.64	0.36458	669919.27
4342430.64	0.42485		
670140.58	4342430.64	0.51294	670361.89
4342430.64	0.65048		
670583.20	4342430.64	0.92038	670804.51
4342430.64	1.73253		
671025.82	4342430.64	8.52388	671247.13
4342430.64	1.28431		
671468.44	4342430.64	0.38032	671689.75
4342430.64	0.20520		
671911.06	4342430.64	0.13939	672132.37
4342430.64	0.11725		
672353.68	4342430.64	0.13816	672574.99
4342430.64	0.12537		
668148.79	4342595.60	0.13212	668370.10
4342595.60	0.15677		
668591.41	4342595.60	0.18935	668812.72
4342595.60	0.23026		
669034.03	4342595.60	0.27896	669255.34
4342595.60	0.33811		
669476.65	4342595.60	0.39103	669697.96
4342595.60	0.44221		
669919.27	4342595.60	0.51957	670140.58
4342595.60	0.63638		
670361.89	4342595.60	0.79064	670583.20
4342595.60	0.97268		
670804.51	4342595.60	2.24317	671025.82
4342595.60	5.61186		
671247.13	4342595.60	1.08563	671468.44
4342595.60	0.31289		
671689.75	4342595.60	0.16513	671911.06

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4342595.60      0.11224
      672132.37      4342595.60      0.09734      672353.68
4342595.60      0.12721
^ *** AERMOD - VERSION 19191 ***      *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
      ***      10/04/21
*** AERMET - VERSION 14134 ***      ***
      ***      13:59:48

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PAGE 837

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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      *** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP3      ***
      INCLUDING SOURCE(S):      L0000555      , L0000556
, L0000557      , L0000558      , L0000559      ,
      L0000560      , L0000561      , L0000562      , L0000563      , L0000564
, L0000565      , L0000566      , L0000567      ,
      L0000568      , L0000569      , L0000570      , L0000571      , L0000572
, L0000573      , L0000574      , L0000575      ,
      L0000576      , L0000577      , L0000578      , L0000579      , L0000580
, L0000581      , L0000582      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

672574.99	4342595.60	0.11629	668148.79
4342760.56	0.13906		
668370.10	4342760.56	0.17256	668591.41
4342760.56	0.21106		
668812.72	4342760.56	0.27122	669034.03
4342760.56	0.35664		
669255.34	4342760.56	0.42361	669476.65
4342760.56	0.50670		
669697.96	4342760.56	0.52101	669919.27
4342760.56	0.64380		
670140.58	4342760.56	0.75155	670361.89
4342760.56	1.00795		
670583.20	4342760.56	1.24008	670804.51
4342760.56	4.88853		
671025.82	4342760.56	2.05212	671247.13
4342760.56	0.61374		
671468.44	4342760.56	0.27696	671689.75
4342760.56	0.15818		

671911.06	4342760.56	0.09971	672132.37
4342760.56	0.08400		
672353.68	4342760.56	0.10793	672574.99
4342760.56	0.09985		
668148.79	4342925.52	0.14020	668370.10
4342925.52	0.17659		
668591.41	4342925.52	0.23407	668812.72
4342925.52	0.31567		
669034.03	4342925.52	0.44234	669476.65
4342925.52	0.67193		
669697.96	4342925.52	0.78179	669919.27
4342925.52	0.73976		
670140.58	4342925.52	0.76441	670361.89
4342925.52	1.08044		
670583.20	4342925.52	4.48269	670804.51
4342925.52	3.29530		
671025.82	4342925.52	0.86284	671247.13
4342925.52	0.46362		
671468.44	4342925.52	0.22816	671689.75
4342925.52	0.13983		
671911.06	4342925.52	0.09307	672132.37
4342925.52	0.06741		
672353.68	4342925.52	0.06938	672574.99
4342925.52	0.07839		
668148.79	4343090.48	0.13282	668370.10
4343090.48	0.16949		
668591.41	4343090.48	0.24012	669476.65
4343090.48	1.19005		
669697.96	4343090.48	1.36906	669919.27
4343090.48	1.51244		
670140.58	4343090.48	1.32522	670361.89
4343090.48	3.85600		
670583.20	4343090.48	3.37318	670804.51
4343090.48	1.46128		
671025.82	4343090.48	0.57056	671247.13
4343090.48	0.35043		
671468.44	4343090.48	0.19629	671689.75
4343090.48	0.12257		
671911.06	4343090.48	0.08434	672132.37
4343090.48	0.06318		
672353.68	4343090.48	0.04795	672574.99
4343090.48	0.04673		
668148.79	4343255.44	0.13216	668370.10
4343255.44	0.16758		
668591.41	4343255.44	0.23075	669476.65
4343255.44	2.29692		
669697.96	4343255.44	8.08381	669919.27
4343255.44	6.29245		
670140.58	4343255.44	6.53839	670361.89
4343255.44	3.60509		

4343420.40	1.03371		
670804.51	4343420.40	0.68854	671025.82
4343420.40	0.38624		
671247.13	4343420.40	0.24363	671468.44
4343420.40	0.14378		
671689.75	4343420.40	0.09690	671911.06
4343420.40	0.06746		
672132.37	4343420.40	0.05093	672353.68
4343420.40	0.04055		
672574.99	4343420.40	0.03290	668148.79
4343585.36	0.14133		
668370.10	4343585.36	0.17690	668591.41
4343585.36	0.22024		
668812.72	4343585.36	0.32218	669034.03
4343585.36	0.54533		
669255.34	4343585.36	0.95761	669476.65
4343585.36	1.30389		
669697.96	4343585.36	1.22935	669919.27
4343585.36	1.16591		
670140.58	4343585.36	1.04640	670361.89
4343585.36	0.88227		
670583.20	4343585.36	0.71952	670804.51
4343585.36	0.57310		
671025.82	4343585.36	0.40503	671247.13
4343585.36	0.20388		
671468.44	4343585.36	0.13393	671689.75
4343585.36	0.09477		
671911.06	4343585.36	0.06430	672132.37
4343585.36	0.04841		
672353.68	4343585.36	0.03759	672574.99
4343585.36	0.03101		
668148.79	4343750.32	0.13959	668370.10
4343750.32	0.16877		
668591.41	4343750.32	0.22595	668812.72
4343750.32	0.30023		
669034.03	4343750.32	0.38926	669255.34
4343750.32	0.58659		
669476.65	4343750.32	0.72234	669697.96
4343750.32	0.76570		
669919.27	4343750.32	0.74917	670140.58
4343750.32	0.69338		
670361.89	4343750.32	0.62009	670583.20
4343750.32	0.52957		
670804.51	4343750.32	0.44297	671025.82
4343750.32	0.36470		
671247.13	4343750.32	0.24114	671468.44
4343750.32	0.19122		
671689.75	4343750.32	0.14872	671911.06
4343750.32	0.07951		
672132.37	4343750.32	0.05105	672353.68

4343750.32	0.03652		
672574.99	4343750.32	0.03031	668148.79
4343915.28	0.12963		
668370.10	4343915.28	0.16681	668591.41
4343915.28	0.19431		
668812.72	4343915.28	0.25909	669034.03
4343915.28	0.32273		
669255.34	4343915.28	0.41501	669476.65
4343915.28	0.48917		
669697.96	4343915.28	0.51794	669919.27
4343915.28	0.53054		
670140.58	4343915.28	0.49808	670361.89
4343915.28	0.45971		
670583.20	4343915.28	0.40809	670804.51
4343915.28	0.35280		
671025.82	4343915.28	0.29364	671247.13
4343915.28	0.24959		
671468.44	4343915.28	0.16179	671689.75
4343915.28	0.10135		
671911.06	4343915.28	0.07031	672132.37
4343915.28	0.05481		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 839

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP3 ***
 INCLUDING SOURCE(S): L0000555 , L0000556
 , L0000557 , L0000558 , L0000559 ,
 L0000560 , L0000561 , L0000562 , L0000563 , L0000564
 , L0000565 , L0000566 , L0000567 ,
 L0000568 , L0000569 , L0000570 , L0000571 , L0000572
 , L0000573 , L0000574 , L0000575 ,
 L0000576 , L0000577 , L0000578 , L0000579 , L0000580
 , L0000581 , L0000582 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

- - - - -
 - - - - -

672353.68	4343915.28	0.04125	672574.99
4343915.28	0.03227		
668148.79	4344080.24	0.12744	668370.10
4344080.24	0.15771		
668591.41	4344080.24	0.18663	668812.72
4344080.24	0.22193		
669034.03	4344080.24	0.26655	669255.34
4344080.24	0.31858		
669476.65	4344080.24	0.36598	669697.96
4344080.24	0.38778		
669919.27	4344080.24	0.38953	670140.58
4344080.24	0.36860		
670361.89	4344080.24	0.35876	670583.20
4344080.24	0.32603		
670804.51	4344080.24	0.28077	671025.82
4344080.24	0.19510		
671247.13	4344080.24	0.20626	671468.44
4344080.24	0.16076		
671689.75	4344080.24	0.08088	671911.06
4344080.24	0.05434		
672132.37	4344080.24	0.04091	672353.68
4344080.24	0.03392		
672574.99	4344080.24	0.02761	671464.71
4342094.27	0.30658		
671482.23	4342063.91	0.28402	671498.58
4342030.05	0.25986		
671513.75	4341991.52	0.24135	671541.78
4341964.66	0.21794		
671575.64	4341974.00	0.19189	671460.75
4342162.97	0.33638		
671451.00	4342187.35	0.36387	671510.73
4342219.66	0.31370		
671524.14	4342192.84	0.28326	671522.92
4342250.74	0.31893		
671599.11	4342252.57	0.25575	671627.76
4342256.84	0.24121		
671583.88	4342116.03	0.19908	671595.46
4342071.54	0.18099		
671663.12	4342056.30	0.16770	671600.94
4342030.09	0.17824		
671526.58	4342155.65	0.25706	671628.98
4342292.19	0.24992		
671641.78	4341980.71	0.16802	671666.77
4342018.51	0.16437		
671407.11	4342219.66	0.48401	671415.64
4342183.08	0.43833		
671635.08	4341706.42	0.20101	671693.59
4341710.08	0.19137		
671719.80	4341736.29	0.19186	671673.48
4341630.23	0.20254		

671888.04	4341936.22	0.14823	671977.64
4341952.07	0.10510		
672039.21	4341894.77	0.07713	671858.17
4341753.96	0.16960		
671922.78	4341634.49	0.11717	671613.74
4341791.15	0.19901		
671853.29	4341730.80	0.16629	671783.81
4341585.73	0.16864		
671783.20	4341546.72	0.16164	671769.18
4341461.38	0.14974		
671800.87	4341420.54	0.13111	671880.11
4341427.25	0.10094		
672012.39	4341504.66	0.05544	672084.31
4341547.94	0.05524		
671915.47	4341478.45	0.09357	671903.28
4341564.40	0.11382		
671863.05	4341522.34	0.12495	671830.13
4341336.43	0.11402		
671835.62	4341287.66	0.10669	671825.87
4341275.47	0.10636		
672136.73	4341370.56	0.03510	671920.34
4341307.17	0.07282		
671695.42	4341257.19	0.09342	671682.01
4341176.12	0.07002		
671991.66	4341196.23	0.06322	672022.14
4341231.59	0.05725		
671992.27	4341177.95	0.05556	671540.60
4341238.29	0.05937		
671575.34	4341177.95	0.04949	671454.65
4341196.23	0.05876		

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 840

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP3 ***
 INCLUDING SOURCE(S): L0000555 , L0000556
 , L0000557 , L0000558 , L0000559 ,
 L0000560 , L0000561 , L0000562 , L0000563 , L0000564
 , L0000565 , L0000566 , L0000567 ,
 L0000568 , L0000569 , L0000570 , L0000571 , L0000572
 , L0000573 , L0000574 , L0000575 ,
 L0000576 , L0000577 , L0000578 , L0000579 , L0000580
 , L0000581 , L0000582 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
671523.53	4341116.38	0.04595	671413.20
4341126.74	0.05504		
671471.11	4341064.57	0.04501	671601.55
4341050.55	0.05226		
671198.64	4341253.53	0.06658	671278.49
4341212.08	0.06681		
671230.34	4341132.84	0.05565	671073.08
4341271.82	0.06909		
671122.45	4341373.61	0.08873	671118.79
4341397.38	0.09563		
670978.40	4341324.15	0.08133	670932.85
4341394.21	0.09934		
670935.19	4341367.36	0.09426	671108.01
4340976.17	0.05424		
671286.67	4340978.51	0.04558	671675.37
4342488.78	0.19570		
671091.40	4342277.23	7.24003	671051.75
4342332.07	4.78320		
671051.75	4342369.20	6.02266	670953.04
4342360.76	2.79327		
670695.71	4342235.89	0.95298	670545.53
4342318.58	0.76109		
670711.74	4342488.16	1.32710	670648.30
4342501.73	1.07578		
670648.30	4342630.87	0.91154	670806.29
4342728.41	3.56294		
670688.15	4342739.41	1.09958	670804.92
4342427.55	1.72389		
670439.48	4342471.51	0.77432	670358.43
4342578.67	0.77497		
670546.64	4342662.47	1.11310	670537.03
4342595.15	0.93859		
670483.45	4342776.50	1.19974	670508.17
4342754.52	1.21093		
670517.79	4342868.54	1.52811	670545.27
4342850.69	1.45558		
670582.36	4342878.16	1.95316	670304.85
4342688.57	0.81514		
670039.70	4342661.10	0.63356	670156.48
4342673.46	0.72758		
670236.16	4342648.73	0.72739	670071.30

4342738.03	0.73428		
669990.24	4342753.14	0.67921	669928.42
4342742.15	0.63605		
669815.77	4342673.46	0.52688	669742.96
4342655.60	0.48281		
669791.04	4342744.90	0.55811	669696.25
4342731.16	0.50318		
669536.88	4342552.57	0.38364	671174.86
4342280.21	7.42514		
671068.38	4342169.93	10.11167	670965.71
4342179.44	3.46665		
670815.50	4342198.45	1.32065	670737.55
4342097.68	0.88425		
670762.27	4342069.16	0.91605	670817.40
4342040.64	1.05669		
670895.36	4342025.43	1.43851	670979.02
4341915.15	1.21114		
671115.92	4341863.81	1.00153	671199.58
4341770.65	0.58747		
671222.39	4341377.07	0.10489	671714.84
4341392.28	0.13875		
671366.89	4341998.81	0.66743	671226.19
4342236.48	3.77429		
669098.44	4343411.59	0.81985	668908.63
4343364.56	0.42307		
668851.52	4343359.52	0.36522	668831.37
4343371.27	0.34717		
668733.94	4343302.41	0.29035	668686.91
4343199.95	0.27372		
668671.79	4343089.09	0.26884	668806.17
4343001.74	0.32607		
668918.71	4343025.26	0.41271	669024.53
4342942.95	0.44679		
669288.24	4342916.08	0.58279	669333.59
4342922.80	0.61474		
669365.51	4342978.23	0.73388	669336.95
4343151.23	1.59002		
669303.36	4343304.09	6.15958	669222.73
4343235.22	3.22147		

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 841

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP3 ***
 INCLUDING SOURCE(S): L0000555 , L0000556

, L0000557	, L0000558	, L0000559	,			
	L0000560	, L0000561	, L0000562	, L0000563	, L0000564	
, L0000565	, L0000566	, L0000567	,			
	L0000568	, L0000569	, L0000570	, L0000571	, L0000572	
, L0000573	, L0000574	, L0000575	,			
	L0000576	, L0000577	, L0000578	, L0000579	, L0000580	
, L0000581	, L0000582	, . . .	,			

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

669135.39	4343305.77	1.22833	

▲ *** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 842

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SRCGP4 ***

INCLUDING SOURCE(S):			L0000149	, L0000150
, L0000151	, L0000152	, L0000153	,	
	L0000154	, L0000155	, L0000156	, L0000157
, L0000159	, L0000160	, L0000161	,	
	L0000162	, L0000163	, L0000164	, L0000165
, L0000167	, L0000168	, L0000169	,	
	L0000170	, L0000171	, L0000172	, L0000173
, L0000175	, L0000176	, . . .	,	

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

668148.79	4340781.04	0.01449	668370.10

4340781.04	0.01121		
668591.41	4340781.04	0.01143	668812.72
4340781.04	0.01258		
669034.03	4340781.04	0.01152	669255.34
4340781.04	0.01109		
669476.65	4340781.04	0.01070	669697.96
4340781.04	0.00992		
669919.27	4340781.04	0.00870	670140.58
4340781.04	0.00777		
670361.89	4340781.04	0.00703	670583.20
4340781.04	0.00625		
670804.51	4340781.04	0.00559	671025.82
4340781.04	0.00503		
671247.13	4340781.04	0.00468	671468.44
4340781.04	0.00448		
671689.75	4340781.04	0.00436	671911.06
4340781.04	0.00426		
672132.37	4340781.04	0.00415	672353.68
4340781.04	0.00425		
672574.99	4340781.04	0.00434	668148.79
4340946.00	0.02376		
668370.10	4340946.00	0.01671	668591.41
4340946.00	0.01541		
668812.72	4340946.00	0.01612	669034.03
4340946.00	0.01276		
669255.34	4340946.00	0.01278	669476.65
4340946.00	0.01225		
669697.96	4340946.00	0.01078	669919.27
4340946.00	0.00946		
670140.58	4340946.00	0.00863	670361.89
4340946.00	0.00766		
670583.20	4340946.00	0.00678	670804.51
4340946.00	0.00595		
671025.82	4340946.00	0.00539	671247.13
4340946.00	0.00503		
671468.44	4340946.00	0.00482	671689.75
4340946.00	0.00479		
671911.06	4340946.00	0.00475	672132.37
4340946.00	0.00456		
672353.68	4340946.00	0.00465	672574.99
4340946.00	0.00475		
668148.79	4341110.96	0.02634	668370.10
4341110.96	0.02662		
668591.41	4341110.96	0.01772	668812.72
4341110.96	0.01778		
669034.03	4341110.96	0.01547	669255.34
4341110.96	0.01601		
669476.65	4341110.96	0.01379	669697.96
4341110.96	0.01209		
669919.27	4341110.96	0.01099	670140.58

4341110.96	0.00940		
670361.89	4341110.96	0.00825	670583.20
4341110.96	0.00716		
670804.51	4341110.96	0.00633	671025.82
4341110.96	0.00581		
671247.13	4341110.96	0.00552	671468.44
4341110.96	0.00530		
671689.75	4341110.96	0.00538	671911.06
4341110.96	0.00533		
672132.37	4341110.96	0.00508	672353.68
4341110.96	0.00503		
672574.99	4341110.96	0.00513	668148.79
4341275.92	0.02834		
668370.10	4341275.92	0.02531	668591.41
4341275.92	0.01929		
668812.72	4341275.92	0.01732	669034.03
4341275.92	0.01535		
669255.34	4341275.92	0.01649	669476.65
4341275.92	0.01584		
669697.96	4341275.92	0.01423	669919.27
4341275.92	0.01192		
670140.58	4341275.92	0.01021	670361.89
4341275.92	0.00887		
670583.20	4341275.92	0.00766	670804.51
4341275.92	0.00691		
671025.82	4341275.92	0.00640	671247.13
4341275.92	0.00618		
671468.44	4341275.92	0.00615	671689.75
4341275.92	0.00614		

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 843

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP4 ***
 INCLUDING SOURCE(S): L0000149 , L0000150
 , L0000151 , L0000152 , L0000153 ,
 L0000154 , L0000155 , L0000156 , L0000157 , L0000158
 , L0000159 , L0000160 , L0000161 ,
 L0000162 , L0000163 , L0000164 , L0000165 , L0000166
 , L0000167 , L0000168 , L0000169 ,
 L0000170 , L0000171 , L0000172 , L0000173 , L0000174
 , L0000175 , L0000176 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC	CONC	X-COORD (M)
671911.06	4341275.92	0.00602	672132.37
4341275.92	0.00566		
672353.68	4341275.92	0.00543	672574.99
4341275.92	0.00551		
668148.79	4341440.88	0.03571	668370.10
4341440.88	0.02860		
668591.41	4341440.88	0.02205	668812.72
4341440.88	0.01883		
669034.03	4341440.88	0.01841	669255.34
4341440.88	0.02001		
669476.65	4341440.88	0.01834	669697.96
4341440.88	0.01607		
669919.27	4341440.88	0.01330	670140.58
4341440.88	0.01128		
670361.89	4341440.88	0.00968	670583.20
4341440.88	0.00843		
670804.51	4341440.88	0.00775	671025.82
4341440.88	0.00723		
671689.75	4341440.88	0.00713	671911.06
4341440.88	0.00673		
672132.37	4341440.88	0.00623	672353.68
4341440.88	0.00601		
672574.99	4341440.88	0.00601	668148.79
4341605.84	0.03966		
668370.10	4341605.84	0.02828	668591.41
4341605.84	0.02337		
668812.72	4341605.84	0.02304	669034.03
4341605.84	0.02386		
669255.34	4341605.84	0.02388	669476.65
4341605.84	0.02156		
669697.96	4341605.84	0.01850	669919.27
4341605.84	0.01507		
670140.58	4341605.84	0.01271	670361.89
4341605.84	0.01075		
670583.20	4341605.84	0.00952	670804.51
4341605.84	0.00896		
671025.82	4341605.84	0.00845	671689.75
4341605.84	0.00804		
671911.06	4341605.84	0.00747	672132.37
4341605.84	0.00693		
672353.68	4341605.84	0.00654	672574.99
4341605.84	0.00642		

668148.79	4341770.80	0.06155	668370.10
4341770.80	0.03589		
668591.41	4341770.80	0.03580	668812.72
4341770.80	0.03122		
669034.03	4341770.80	0.02980	669255.34
4341770.80	0.02804		
669476.65	4341770.80	0.02520	669697.96
4341770.80	0.02106		
669919.27	4341770.80	0.01727	670140.58
4341770.80	0.01435		
670361.89	4341770.80	0.01219	670583.20
4341770.80	0.01115		
670804.51	4341770.80	0.01074	671025.82
4341770.80	0.01036		
671689.75	4341770.80	0.00870	671911.06
4341770.80	0.00815		
672132.37	4341770.80	0.00741	672353.68
4341770.80	0.00689		
672574.99	4341770.80	0.00681	668148.79
4341935.76	0.07292		
668370.10	4341935.76	0.07113	668591.41
4341935.76	0.04896		
668812.72	4341935.76	0.03715	669034.03
4341935.76	0.03612		
669255.34	4341935.76	0.03419	669476.65
4341935.76	0.03016		
669697.96	4341935.76	0.02451	669919.27
4341935.76	0.01976		
670140.58	4341935.76	0.01645	670361.89
4341935.76	0.01445		
670583.20	4341935.76	0.01360	670804.51
4341935.76	0.01367		
671468.44	4341935.76	0.01029	671689.75
4341935.76	0.00947		
671911.06	4341935.76	0.00877	672132.37
4341935.76	0.00796		
672353.68	4341935.76	0.00732	672574.99
4341935.76	0.00710		

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 844

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP4 ***
 INCLUDING SOURCE(S): L0000149 , L0000150
 , L0000151 , L0000152 , L0000153 ,

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, L0000159      , L0000154      , L0000155      , L0000156      , L0000157      , L0000158
, L0000160      , L0000161      , L0000162      , L0000163      , L0000164      , L0000165      , L0000166
, L0000167      , L0000168      , L0000169      , L0000170      , L0000171      , L0000172      , L0000173      , L0000174
, L0000175      , L0000176      , . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
668148.79	4342100.72	0.09596	668370.10	
4342100.72	0.09112			
668591.41	4342100.72	0.05811	668812.72	
4342100.72	0.04998			
669034.03	4342100.72	0.04719	669255.34	
4342100.72	0.04520			
669476.65	4342100.72	0.03854	669697.96	
4342100.72	0.03052			
669919.27	4342100.72	0.02435	670140.58	
4342100.72	0.02010			
670361.89	4342100.72	0.01864	670583.20	
4342100.72	0.01837			
671468.44	4342100.72	0.01119	671689.75	
4342100.72	0.01023			
671911.06	4342100.72	0.00942	672132.37	
4342100.72	0.00857			
672353.68	4342100.72	0.00782	672574.99	
4342100.72	0.00745			
668148.79	4342265.68	0.13777	668370.10	
4342265.68	0.12869			
668591.41	4342265.68	0.12868	668812.72	
4342265.68	0.10319			
669034.03	4342265.68	0.08718	669255.34	
4342265.68	0.07045			
669476.65	4342265.68	0.05691	669697.96	
4342265.68	0.04108			
669919.27	4342265.68	0.03261	670140.58	
4342265.68	0.02720			
670361.89	4342265.68	0.02518	670583.20	
4342265.68	0.02237			
670804.51	4342265.68	0.01921	671025.82	
4342265.68	0.01607			
671247.13	4342265.68	0.01420	671468.44	

4342265.68	0.01235		
671689.75	4342265.68	0.01109	671911.06
4342265.68	0.01002		
672132.37	4342265.68	0.00915	672353.68
4342265.68	0.00836		
672574.99	4342265.68	0.00792	668148.79
4342430.64	0.14381		
668370.10	4342430.64	0.19007	668591.41
4342430.64	0.21393		
668812.72	4342430.64	0.24534	669034.03
4342430.64	0.25975		
669255.34	4342430.64	0.21919	669476.65
4342430.64	0.09402		
669697.96	4342430.64	0.06718	669919.27
4342430.64	0.04871		
670140.58	4342430.64	0.04017	670361.89
4342430.64	0.03269		
670583.20	4342430.64	0.02548	670804.51
4342430.64	0.02150		
671025.82	4342430.64	0.01821	671247.13
4342430.64	0.01525		
671468.44	4342430.64	0.01331	671689.75
4342430.64	0.01177		
671911.06	4342430.64	0.01055	672132.37
4342430.64	0.00960		
672353.68	4342430.64	0.00891	672574.99
4342430.64	0.00836		
668148.79	4342595.60	0.18109	668370.10
4342595.60	0.24405		
668591.41	4342595.60	0.32410	668812.72
4342595.60	0.40923		
669034.03	4342595.60	0.45506	669255.34
4342595.60	0.37000		
669476.65	4342595.60	0.27569	669697.96
4342595.60	0.09849		
669919.27	4342595.60	0.07431	670140.58
4342595.60	0.05090		
670361.89	4342595.60	0.03805	670583.20
4342595.60	0.02879		
670804.51	4342595.60	0.02372	671025.82
4342595.60	0.01991		
671247.13	4342595.60	0.01665	671468.44
4342595.60	0.01407		
671689.75	4342595.60	0.01227	671911.06
4342595.60	0.01091		
672132.37	4342595.60	0.00990	672353.68
4342595.60	0.00917		

▲ *** AERMOD - VERSION 19191 ***

 *** AERMET - VERSION 14134 ***

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 10/04/21

*** 13:59:48

PAGE 845

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP4 ***

INCLUDING SOURCE(S): L0000149 , L0000150
, L0000151 , L0000152 , L0000153 ,
L0000154 , L0000155 , L0000156 , L0000157 , L0000158
, L0000159 , L0000160 , L0000161 ,
L0000162 , L0000163 , L0000164 , L0000165 , L0000166
, L0000167 , L0000168 , L0000169 ,
L0000170 , L0000171 , L0000172 , L0000173 , L0000174
, L0000175 , L0000176 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672574.99	4342595.60	0.00851	668148.79
4342760.56	0.22841		
668370.10	4342760.56	0.38781	668591.41
4342760.56	0.53301		
668812.72	4342760.56	0.74484	669034.03
4342760.56	0.68661		
669255.34	4342760.56	0.49804	669476.65
4342760.56	0.36732		
669697.96	4342760.56	0.13225	669919.27
4342760.56	0.08882		
670140.58	4342760.56	0.05849	670361.89
4342760.56	0.04296		
670583.20	4342760.56	0.03220	670804.51
4342760.56	0.02572		
671025.82	4342760.56	0.02099	671247.13
4342760.56	0.01730		
671468.44	4342760.56	0.01468	671689.75
4342760.56	0.01273		
671911.06	4342760.56	0.01116	672132.37
4342760.56	0.01007		
672353.68	4342760.56	0.00932	672574.99
4342760.56	0.00857		
668148.79	4342925.52	0.25718	668370.10
4342925.52	0.48458		

668591.41	4342925.52	0.97816	668812.72
4342925.52	1.62953		
669034.03	4342925.52	2.96874	669476.65
4342925.52	0.59037		
669697.96	4342925.52	0.18912	669919.27
4342925.52	0.10374		
670140.58	4342925.52	0.06634	670361.89
4342925.52	0.04663		
670583.20	4342925.52	0.03544	670804.51
4342925.52	0.02731		
671025.82	4342925.52	0.02134	671247.13
4342925.52	0.01775		
671468.44	4342925.52	0.01489	671689.75
4342925.52	0.01287		
671911.06	4342925.52	0.01126	672132.37
4342925.52	0.01000		
672353.68	4342925.52	0.00922	672574.99
4342925.52	0.00854		
668148.79	4343090.48	0.23662	668370.10
4343090.48	0.47853		
668591.41	4343090.48	1.50285	669476.65
4343090.48	0.91690		
669697.96	4343090.48	0.24650	669919.27
4343090.48	0.11798		
670140.58	4343090.48	0.06956	670361.89
4343090.48	0.04984		
670583.20	4343090.48	0.03769	670804.51
4343090.48	0.02757		
671025.82	4343090.48	0.02104	671247.13
4343090.48	0.01748		
671468.44	4343090.48	0.01466	671689.75
4343090.48	0.01261		
671911.06	4343090.48	0.01104	672132.37
4343090.48	0.00981		
672353.68	4343090.48	0.00880	672574.99
4343090.48	0.00814		
668148.79	4343255.44	0.21610	668370.10
4343255.44	0.44878		
668591.41	4343255.44	1.73796	669476.65
4343255.44	0.63128		
669697.96	4343255.44	0.21677	669919.27
4343255.44	0.10816		
670140.58	4343255.44	0.06701	670361.89
4343255.44	0.04809		
670583.20	4343255.44	0.03680	670804.51
4343255.44	0.02663		
671025.82	4343255.44	0.01959	671247.13
4343255.44	0.01628		
671468.44	4343255.44	0.01382	671689.75
4343255.44	0.01186		

671911.06	4343255.44	0.01040	672132.37
4343255.44	0.00928		
672353.68	4343255.44	0.00837	672574.99
4343255.44	0.00757		
668148.79	4343420.40	0.20209	668370.10
4343420.40	0.41947		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 846

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP4 ***
 INCLUDING SOURCE(S): L0000149 , L0000150
 , L0000151 , L0000152 , L0000153 ,
 L0000154 , L0000155 , L0000156 , L0000157 , L0000158
 , L0000159 , L0000160 , L0000161 ,
 L0000162 , L0000163 , L0000164 , L0000165 , L0000166
 , L0000167 , L0000168 , L0000169 ,
 L0000170 , L0000171 , L0000172 , L0000173 , L0000174
 , L0000175 , L0000176 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668591.41	4343420.40	1.26639	668812.72
4343420.40	3.65010		
669034.03	4343420.40	4.40507	669255.34
4343420.40	2.11392		
669476.65	4343420.40	0.73292	669697.96
4343420.40	0.17134		
669919.27	4343420.40	0.09533	670140.58
4343420.40	0.06708		
670361.89	4343420.40	0.04589	670583.20
4343420.40	0.03384		
670804.51	4343420.40	0.02349	671025.82
4343420.40	0.01788		
671247.13	4343420.40	0.01479	671468.44
4343420.40	0.01243		
671689.75	4343420.40	0.01081	671911.06

4343420.40	0.00953		
672132.37	4343420.40	0.00853	672353.68
4343420.40	0.00773		
672574.99	4343420.40	0.00704	668148.79
4343585.36	0.20998		
668370.10	4343585.36	0.43642	668591.41
4343585.36	0.95701		
668812.72	4343585.36	2.03382	669034.03
4343585.36	2.09941		
669255.34	4343585.36	1.09634	669476.65
4343585.36	0.41376		
669697.96	4343585.36	0.22510	669919.27
4343585.36	0.11077		
670140.58	4343585.36	0.06435	670361.89
4343585.36	0.04298		
670583.20	4343585.36	0.03044	670804.51
4343585.36	0.02220		
671025.82	4343585.36	0.01695	671247.13
4343585.36	0.01296		
671468.44	4343585.36	0.01108	671689.75
4343585.36	0.00976		
671911.06	4343585.36	0.00865	672132.37
4343585.36	0.00781		
672353.68	4343585.36	0.00711	672574.99
4343585.36	0.00654		
668148.79	4343750.32	0.23537	668370.10
4343750.32	0.38170		
668591.41	4343750.32	0.79449	668812.72
4343750.32	1.25690		
669034.03	4343750.32	1.14145	669255.34
4343750.32	0.68235		
669476.65	4343750.32	0.31532	669697.96
4343750.32	0.15613		
669919.27	4343750.32	0.09194	670140.58
4343750.32	0.05582		
670361.89	4343750.32	0.03707	670583.20
4343750.32	0.02855		
670804.51	4343750.32	0.02195	671025.82
4343750.32	0.01687		
671247.13	4343750.32	0.01244	671468.44
4343750.32	0.01062		
671689.75	4343750.32	0.00927	671911.06
4343750.32	0.00798		
672132.37	4343750.32	0.00711	672353.68
4343750.32	0.00646		
672574.99	4343750.32	0.00601	668148.79
4343915.28	0.22990		
668370.10	4343915.28	0.36610	668591.41
4343915.28	0.58985		
668812.72	4343915.28	0.81982	669034.03

4343915.28	0.75424		
669255.34	4343915.28	0.47784	669476.65
4343915.28	0.24371		
669697.96	4343915.28	0.13026	669919.27
4343915.28	0.07814		
670140.58	4343915.28	0.04802	670361.89
4343915.28	0.03444		
670583.20	4343915.28	0.02568	670804.51
4343915.28	0.02002		
671025.82	4343915.28	0.01526	671247.13
4343915.28	0.01333		
671468.44	4343915.28	0.00988	671689.75
4343915.28	0.00823		
671911.06	4343915.28	0.00713	672132.37
4343915.28	0.00646		

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 847

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP4 ***
 INCLUDING SOURCE(S): L0000149 , L0000150
 , L0000151 , L0000152 , L0000153 ,
 L0000154 , L0000155 , L0000156 , L0000157 , L0000158
 , L0000159 , L0000160 , L0000161 ,
 L0000162 , L0000163 , L0000164 , L0000165 , L0000166
 , L0000167 , L0000168 , L0000169 ,
 L0000170 , L0000171 , L0000172 , L0000173 , L0000174
 , L0000175 , L0000176 , . . . ,

 *** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672353.68	4343915.28	0.00591	672574.99
4343915.28	0.00547		
668148.79	4344080.24	0.22441	668370.10
4344080.24	0.33386		
668591.41	4344080.24	0.47300	668812.72
4344080.24	0.58199		

669034.03	4344080.24	0.53476	669255.34
4344080.24	0.35925		
669476.65	4344080.24	0.20681	669697.96
4344080.24	0.11401		
669919.27	4344080.24	0.06653	670140.58
4344080.24	0.04035		
670361.89	4344080.24	0.03178	670583.20
4344080.24	0.02372		
670804.51	4344080.24	0.01784	671025.82
4344080.24	0.01350		
671247.13	4344080.24	0.01226	671468.44
4344080.24	0.01031		
671689.75	4344080.24	0.00762	671911.06
4344080.24	0.00639		
672132.37	4344080.24	0.00568	672353.68
4344080.24	0.00523		
672574.99	4344080.24	0.00484	671464.71
4342094.27	0.01118		
671482.23	4342063.91	0.01092	671498.58
4342030.05	0.01064		
671513.75	4341991.52	0.01036	671541.78
4341964.66	0.01010		
671575.64	4341974.00	0.00999	671460.75
4342162.97	0.01164		
671451.00	4342187.35	0.01186	671510.73
4342219.66	0.01175		
671524.14	4342192.84	0.01149	671522.92
4342250.74	0.01190		
671599.11	4342252.57	0.01148	671627.76
4342256.84	0.01135		
671583.88	4342116.03	0.01067	671595.46
4342071.54	0.01036		
671663.12	4342056.30	0.01007	671600.94
4342030.09	0.01015		
671526.58	4342155.65	0.01121	671628.98
4342292.19	0.01154		
671641.78	4341980.71	0.00979	671666.77
4342018.51	0.00988		
671407.11	4342219.66	0.01240	671415.64
4342183.08	0.01208		
671635.08	4341706.42	0.00854	671693.59
4341710.08	0.00845		
671719.80	4341736.29	0.00852	671673.48
4341630.23	0.00815		
671888.04	4341936.22	0.00886	671977.64
4341952.07	0.00859		
672039.21	4341894.77	0.00813	671858.17
4341753.96	0.00828		
671922.78	4341634.49	0.00756	671613.74
4341791.15	0.00899		

671853.29	4341730.80	0.00819	671783.81
4341585.73	0.00773		
671783.20	4341546.72	0.00754	671769.18
4341461.38	0.00714		
671800.87	4341420.54	0.00688	671880.11
4341427.25	0.00673		
672012.39	4341504.66	0.00669	672084.31
4341547.94	0.00678		
671915.47	4341478.45	0.00688	671903.28
4341564.40	0.00731		
671863.05	4341522.34	0.00722	671830.13
4341336.43	0.00643		
671835.62	4341287.66	0.00620	671825.87
4341275.47	0.00615		
672136.73	4341370.56	0.00595	671920.34
4341307.17	0.00612		
671695.42	4341257.19	0.00604	671682.01
4341176.12	0.00563		
671991.66	4341196.23	0.00564	672022.14
4341231.59	0.00573		
671992.27	4341177.95	0.00554	671540.60
4341238.29	0.00582		
671575.34	4341177.95	0.00552	671454.65
4341196.23	0.00567		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 848

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP4 ***
 INCLUDING SOURCE(S): L0000149 , L0000150
 , L0000151 , L0000152 , L0000153 ,
 L0000154 , L0000155 , L0000156 , L0000157 , L0000158
 , L0000159 , L0000160 , L0000161 ,
 L0000162 , L0000163 , L0000164 , L0000165 , L0000166
 , L0000167 , L0000168 , L0000169 ,
 L0000170 , L0000171 , L0000172 , L0000173 , L0000174
 , L0000175 , L0000176 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)

Y-COORD (M)	CONC		
671523.53	4341116.38	0.00530	671413.20
4341126.74	0.00543		
671471.11	4341064.57	0.00515	671601.55
4341050.55	0.00512		
671198.64	4341253.53	0.00609	671278.49
4341212.08	0.00587		
671230.34	4341132.84	0.00560	671073.08
4341271.82	0.00630		
671122.45	4341373.61	0.00675	671118.79
4341397.38	0.00689		
670978.40	4341324.15	0.00670	670932.85
4341394.21	0.00715		
670935.19	4341367.36	0.00701	671108.01
4340976.17	0.00531		
671286.67	4340978.51	0.00507	671675.37
4342488.78	0.01205		
671091.40	4342277.23	0.01562	671051.75
4342332.07	0.01655		
671051.75	4342369.20	0.01702	670953.04
4342360.76	0.01804		
670695.71	4342235.89	0.01969	670545.53
4342318.58	0.02412		
670711.74	4342488.16	0.02377	670648.30
4342501.73	0.02524		
670648.30	4342630.87	0.02743	670806.29
4342728.41	0.02530		
670688.15	4342739.41	0.02812	670804.92
4342427.55	0.02145		
670439.48	4342471.51	0.03103	670358.43
4342578.67	0.03766		
670546.64	4342662.47	0.03168	670537.03
4342595.15	0.03028		
670483.45	4342776.50	0.03677	670508.17
4342754.52	0.03519		
670517.79	4342868.54	0.03698	670545.27
4342850.69	0.03534		
670582.36	4342878.16	0.03426	670304.85
4342688.57	0.04385		
670039.70	4342661.10	0.06450	670156.48
4342673.46	0.05379		
670236.16	4342648.73	0.04670	670071.30
4342738.03	0.06544		
669990.24	4342753.14	0.07699	669928.42
4342742.15	0.08569		
669815.77	4342673.46	0.09145	669742.96
4342655.60	0.09719		
669791.04	4342744.90	0.10817	669696.25

4342731.16	0.12355		
669536.88	4342552.57	0.21993	671174.86
4342280.21	0.01497		
671068.38	4342169.93	0.01486	670965.71
4342179.44	0.01589		
670815.50	4342198.45	0.01805	670737.55
4342097.68	0.01725		
670762.27	4342069.16	0.01653	670817.40
4342040.64	0.01561		
670895.36	4342025.43	0.01480	670979.02
4341915.15	0.01280		
671115.92	4341863.81	0.01157	671199.58
4341770.65	0.01037		
671222.39	4341377.07	0.00675	671714.84
4341392.28	0.00681		
671366.89	4341998.81	0.01133	671226.19
4342236.48	0.01414		
669098.44	4343411.59	4.12653	668908.63
4343364.56	6.27596		
668851.52	4343359.52	5.83025	668831.37
4343371.27	4.87429		
668733.94	4343302.41	5.36328	668686.91
4343199.95	5.41771		
668671.79	4343089.09	4.54097	668806.17
4343001.74	4.60549		
668918.71	4343025.26	6.26821	669024.53
4342942.95	4.53249		
669288.24	4342916.08	2.93362	669333.59
4342922.80	2.02200		
669365.51	4342978.23	3.75147	669336.95
4343151.23	4.92907		
669303.36	4343304.09	3.26983	669222.73
4343235.22	7.37942		

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 849

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP4 ***
 INCLUDING SOURCE(S): L0000149 , L0000150
 , L0000151 , L0000152 , L0000153 ,
 L0000154 , L0000155 , L0000156 , L0000157 , L0000158
 , L0000159 , L0000160 , L0000161 ,
 L0000162 , L0000163 , L0000164 , L0000165 , L0000166
 , L0000167 , L0000168 , L0000169 ,
 L0000170 , L0000171 , L0000172 , L0000173 , L0000174

, L0000175 , L0000176 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

- - - - -

669135.39	4343305.77	7.75825	

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 850

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SRCGP5 ***

INCLUDING SOURCE(S): L0000408 , L0000409

, L0000410	, L0000411	, L0000412	,			
	L0000413	, L0000414	, L0000415	, L0000416	, L0000417	
, L0000418	, L0000419	, L0000420	,			
	L0000421	, L0000422	, L0000423	, L0000424	, L0000425	
, L0000426	, L0000427	, L0000428	,			
	L0000429	, L0000430	, L0000431	, L0000432	, L0000433	
, L0000434	, L0000435	, . . .	,			

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

- - - - -

668148.79	4340781.04	0.02859	668370.10
4340781.04	0.03279		
668591.41	4340781.04	0.03734	668812.72
4340781.04	0.04246		
669034.03	4340781.04	0.04932	669255.34
4340781.04	0.05795		
669476.65	4340781.04	0.06775	669697.96

4340781.04	0.08061		
669919.27	4340781.04	0.12611	670140.58
4340781.04	0.15773		
670361.89	4340781.04	0.18012	670583.20
4340781.04	0.16903		
670804.51	4340781.04	0.15169	671025.82
4340781.04	0.10372		
671247.13	4340781.04	0.09818	671468.44
4340781.04	0.10536		
671689.75	4340781.04	0.11570	671911.06
4340781.04	0.10470		
672132.37	4340781.04	0.07801	672353.68
4340781.04	0.07462		
672574.99	4340781.04	0.07131	668148.79
4340946.00	0.02787		
668370.10	4340946.00	0.03215	668591.41
4340946.00	0.03686		
668812.72	4340946.00	0.04229	669034.03
4340946.00	0.05011		
669255.34	4340946.00	0.05917	669476.65
4340946.00	0.06998		
669697.96	4340946.00	0.08780	669919.27
4340946.00	0.13130		
670140.58	4340946.00	0.17066	670361.89
4340946.00	0.21383		
670583.20	4340946.00	0.25105	670804.51
4340946.00	0.22373		
671025.82	4340946.00	0.15524	671247.13
4340946.00	0.12787		
671468.44	4340946.00	0.13488	671689.75
4340946.00	0.17126		
671911.06	4340946.00	0.16803	672132.37
4340946.00	0.08652		
672353.68	4340946.00	0.08055	672574.99
4340946.00	0.09160		
668148.79	4341110.96	0.02769	668370.10
4341110.96	0.03130		
668591.41	4341110.96	0.03657	668812.72
4341110.96	0.04228		
669034.03	4341110.96	0.04980	669255.34
4341110.96	0.05856		
669476.65	4341110.96	0.07140	669697.96
4341110.96	0.09214		
669919.27	4341110.96	0.11085	670140.58
4341110.96	0.17021		
670361.89	4341110.96	0.21545	670583.20
4341110.96	0.25764		
670804.51	4341110.96	0.27522	671025.82
4341110.96	0.23325		
671247.13	4341110.96	0.20647	671468.44

4341110.96	0.21421		
671689.75	4341110.96	0.30121	671911.06
4341110.96	0.23000		
672132.37	4341110.96	0.11356	672353.68
4341110.96	0.10003		
672574.99	4341110.96	0.11824	668148.79
4341275.92	0.02763		
668370.10	4341275.92	0.03135	668591.41
4341275.92	0.03629		
668812.72	4341275.92	0.04242	669034.03
4341275.92	0.05042		
669255.34	4341275.92	0.05956	669476.65
4341275.92	0.07141		
669697.96	4341275.92	0.08866	669919.27
4341275.92	0.11983		
670140.58	4341275.92	0.13648	670361.89
4341275.92	0.18096		
670583.20	4341275.92	0.22565	670804.51
4341275.92	0.33410		
671025.82	4341275.92	0.40344	671247.13
4341275.92	0.44606		
671468.44	4341275.92	0.63008	671689.75
4341275.92	0.59337		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 851

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP5 ***
 INCLUDING SOURCE(S): L0000408 , L0000409
 , L0000410 , L0000411 , L0000412 ,
 L0000413 , L0000414 , L0000415 , L0000416 , L0000417
 , L0000418 , L0000419 , L0000420 ,
 L0000421 , L0000422 , L0000423 , L0000424 , L0000425
 , L0000426 , L0000427 , L0000428 ,
 L0000429 , L0000430 , L0000431 , L0000432 , L0000433
 , L0000434 , L0000435 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

671911.06	4341275.92	0.34931	672132.37	
4341275.92	0.18378			
672353.68	4341275.92	0.13293	672574.99	
4341275.92	0.14713			
668148.79	4341440.88	0.02731	668370.10	
4341440.88	0.03118			
668591.41	4341440.88	0.03591	668812.72	
4341440.88	0.04213			
669034.03	4341440.88	0.04964	669255.34	
4341440.88	0.05839			
669476.65	4341440.88	0.07069	669697.96	
4341440.88	0.08813			
669919.27	4341440.88	0.08875	670140.58	
4341440.88	0.09921			
670361.89	4341440.88	0.13454	670583.20	
4341440.88	0.18591			
670804.51	4341440.88	0.36920	671025.82	
4341440.88	0.63888			
671689.75	4341440.88	1.73678	671911.06	
4341440.88	0.59904			
672132.37	4341440.88	0.28171	672353.68	
4341440.88	0.19877			
672574.99	4341440.88	0.20477	668148.79	
4341605.84	0.02758			
668370.10	4341605.84	0.03133	668591.41	
4341605.84	0.03582			
668812.72	4341605.84	0.04140	669034.03	
4341605.84	0.04836			
669255.34	4341605.84	0.05744	669476.65	
4341605.84	0.06957			
669697.96	4341605.84	0.08477	669919.27	
4341605.84	0.07249			
670140.58	4341605.84	0.08589	670361.89	
4341605.84	0.09865			
670583.20	4341605.84	0.14406	670804.51	
4341605.84	0.33884			
671025.82	4341605.84	0.73129	671689.75	
4341605.84	3.04022			
671911.06	4341605.84	0.90554	672132.37	
4341605.84	0.41427			
672353.68	4341605.84	0.25286	672574.99	
4341605.84	0.22508			
668148.79	4341770.80	0.02691	668370.10	
4341770.80	0.03106			
668591.41	4341770.80	0.03493	668812.72	
4341770.80	0.04041			
669034.03	4341770.80	0.04754	669255.34	
4341770.80	0.05686			

669476.65	4341770.80	0.06567	669697.96
4341770.80	0.06384		
669919.27	4341770.80	0.06681	670140.58
4341770.80	0.07596		
670361.89	4341770.80	0.08366	670583.20
4341770.80	0.14824		
670804.51	4341770.80	0.40006	671025.82
4341770.80	1.12139		
671689.75	4341770.80	2.44009	671911.06
4341770.80	0.92527		
672132.37	4341770.80	0.39351	672353.68
4341770.80	0.22652		
672574.99	4341770.80	0.22664	668148.79
4341935.76	0.02600		
668370.10	4341935.76	0.02978	668591.41
4341935.76	0.03441		
668812.72	4341935.76	0.03999	669034.03
4341935.76	0.04700		
669255.34	4341935.76	0.05330	669476.65
4341935.76	0.05018		
669697.96	4341935.76	0.04696	669919.27
4341935.76	0.04723		
670140.58	4341935.76	0.05965	670361.89
4341935.76	0.08707		
670583.20	4341935.76	0.19979	670804.51
4341935.76	0.52542		
671468.44	4341935.76	4.61973	671689.75
4341935.76	1.51007		
671911.06	4341935.76	0.71324	672132.37
4341935.76	0.34035		
672353.68	4341935.76	0.20199	672574.99
4341935.76	0.18851		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 852

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP5 ***
 INCLUDING SOURCE(S): L0000408 , L0000409
 , L0000410 , L0000411 , L0000412 ,
 L0000413 , L0000414 , L0000415 , L0000416 , L0000417
 , L0000418 , L0000419 , L0000420 ,
 L0000421 , L0000422 , L0000423 , L0000424 , L0000425
 , L0000426 , L0000427 , L0000428 ,
 L0000429 , L0000430 , L0000431 , L0000432 , L0000433
 , L0000434 , L0000435 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4342100.72	0.02586	668370.10
4342100.72	0.02979		
668591.41	4342100.72	0.03433	668812.72
4342100.72	0.03937		
669034.03	4342100.72	0.04611	669255.34
4342100.72	0.05372		
669476.65	4342100.72	0.04956	669697.96
4342100.72	0.05316		
669919.27	4342100.72	0.06516	670140.58
4342100.72	0.07547		
670361.89	4342100.72	0.16652	670583.20
4342100.72	0.26459		
671468.44	4342100.72	1.97765	671689.75
4342100.72	0.95912		
671911.06	4342100.72	0.52848	672132.37
4342100.72	0.30016		
672353.68	4342100.72	0.18679	672574.99
4342100.72	0.17217		
668148.79	4342265.68	0.02565	668370.10
4342265.68	0.02942		
668591.41	4342265.68	0.03274	668812.72
4342265.68	0.03762		
669034.03	4342265.68	0.04368	669255.34
4342265.68	0.05211		
669476.65	4342265.68	0.06242	669697.96
4342265.68	0.07584		
669919.27	4342265.68	0.09520	670140.58
4342265.68	0.12335		
670361.89	4342265.68	0.16531	670583.20
4342265.68	0.23900		
670804.51	4342265.68	0.39051	671025.82
4342265.68	0.73138		
671247.13	4342265.68	1.23892	671468.44
4342265.68	1.20376		
671689.75	4342265.68	0.71780	671911.06
4342265.68	0.40193		
672132.37	4342265.68	0.26802	672353.68
4342265.68	0.18480		
672574.99	4342265.68	0.17791	668148.79

4342430.64	0.02439		
668370.10	4342430.64	0.02816	668591.41
4342430.64	0.03103		
668812.72	4342430.64	0.03520	669034.03
4342430.64	0.04057		
669255.34	4342430.64	0.04780	669476.65
4342430.64	0.05850		
669697.96	4342430.64	0.07050	669919.27
4342430.64	0.08802		
670140.58	4342430.64	0.11161	670361.89
4342430.64	0.14980		
670583.20	4342430.64	0.23949	670804.51
4342430.64	0.36703		
671025.82	4342430.64	0.57161	671247.13
4342430.64	0.75534		
671468.44	4342430.64	0.77065	671689.75
4342430.64	0.52152		
671911.06	4342430.64	0.31957	672132.37
4342430.64	0.22392		
672353.68	4342430.64	0.19699	672574.99
4342430.64	0.16138		
668148.79	4342595.60	0.02417	668370.10
4342595.60	0.02685		
668591.41	4342595.60	0.03024	668812.72
4342595.60	0.03442		
669034.03	4342595.60	0.03960	669255.34
4342595.60	0.04645		
669476.65	4342595.60	0.05433	669697.96
4342595.60	0.06729		
669919.27	4342595.60	0.08125	670140.58
4342595.60	0.10550		
670361.89	4342595.60	0.14052	670583.20
4342595.60	0.20172		
670804.51	4342595.60	0.30362	671025.82
4342595.60	0.43719		
671247.13	4342595.60	0.55932	671468.44
4342595.60	0.52364		
671689.75	4342595.60	0.37589	671911.06
4342595.60	0.24480		
672132.37	4342595.60	0.17901	672353.68
4342595.60	0.15948		

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*** AERMET - VERSION 14134 *** ***
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PAGE 853

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SRCGP5 ***

INCLUDING SOURCE(S): L0000408 , L0000409
 , L0000410 , L0000411 , L0000412 ,
 L0000413 , L0000414 , L0000415 , L0000416 , L0000417
 , L0000418 , L0000419 , L0000420 ,
 L0000421 , L0000422 , L0000423 , L0000424 , L0000425
 , L0000426 , L0000427 , L0000428 ,
 L0000429 , L0000430 , L0000431 , L0000432 , L0000433
 , L0000434 , L0000435 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672574.99	4342595.60	0.14500	668148.79
4342760.56	0.02415		
668370.10	4342760.56	0.02708	668591.41
4342760.56	0.02993		
668812.72	4342760.56	0.03408	669034.03
4342760.56	0.03956		
669255.34	4342760.56	0.04595	669476.65
4342760.56	0.05296		
669697.96	4342760.56	0.06607	669919.27
4342760.56	0.07978		
670140.58	4342760.56	0.11282	670361.89
4342760.56	0.15345		
670583.20	4342760.56	0.17780	670804.51
4342760.56	0.24520		
671025.82	4342760.56	0.32963	671247.13
4342760.56	0.39321		
671468.44	4342760.56	0.38521	671689.75
4342760.56	0.30141		
671911.06	4342760.56	0.19961	672132.37
4342760.56	0.14693		
672353.68	4342760.56	0.13187	672574.99
4342760.56	0.10968		
668148.79	4342925.52	0.02373	668370.10
4342925.52	0.02643		
668591.41	4342925.52	0.02988	668812.72
4342925.52	0.03339		
669034.03	4342925.52	0.03806	669476.65
4342925.52	0.05132		
669697.96	4342925.52	0.06309	669919.27
4342925.52	0.08520		

670140.58	4342925.52	0.10779	670361.89
4342925.52	0.13824		
670583.20	4342925.52	0.17639	670804.51
4342925.52	0.21809		
671025.82	4342925.52	0.24509	671247.13
4342925.52	0.30232		
671468.44	4342925.52	0.28870	671689.75
4342925.52	0.23883		
671911.06	4342925.52	0.16956	672132.37
4342925.52	0.11776		
672353.68	4342925.52	0.10092	672574.99
4342925.52	0.09047		
668148.79	4343090.48	0.02262	668370.10
4343090.48	0.02522		
668591.41	4343090.48	0.02901	669476.65
4343090.48	0.04863		
669697.96	4343090.48	0.05835	669919.27
4343090.48	0.07096		
670140.58	4343090.48	0.10296	670361.89
4343090.48	0.10723		
670583.20	4343090.48	0.13578	670804.51
4343090.48	0.18600		
671025.82	4343090.48	0.19974	671247.13
4343090.48	0.23766		
671468.44	4343090.48	0.22791	671689.75
4343090.48	0.19270		
671911.06	4343090.48	0.14403	672132.37
4343090.48	0.10527		
672353.68	4343090.48	0.07571	672574.99
4343090.48	0.06535		
668148.79	4343255.44	0.02217	668370.10
4343255.44	0.02456		
668591.41	4343255.44	0.02763	669476.65
4343255.44	0.04733		
669697.96	4343255.44	0.05551	669919.27
4343255.44	0.06645		
670140.58	4343255.44	0.07993	670361.89
4343255.44	0.09690		
670583.20	4343255.44	0.12009	670804.51
4343255.44	0.15347		
671025.82	4343255.44	0.16740	671247.13
4343255.44	0.19061		
671468.44	4343255.44	0.18656	671689.75
4343255.44	0.15902		
671911.06	4343255.44	0.12312	672132.37
4343255.44	0.09315		
672353.68	4343255.44	0.07017	672574.99
4343255.44	0.05242		
668148.79	4343420.40	0.02209	668370.10
4343420.40	0.02419		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 854

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: SRCGP5
 INCLUDING SOURCE(S): L0000408 , L0000409
 , L0000410 , L0000411 , L0000412 ,
 L0000413 , L0000414 , L0000415 , L0000416 , L0000417
 , L0000418 , L0000419 , L0000420 ,
 L0000421 , L0000422 , L0000423 , L0000424 , L0000425
 , L0000426 , L0000427 , L0000428 ,
 L0000429 , L0000430 , L0000431 , L0000432 , L0000433
 , L0000434 , L0000435 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668591.41	4343420.40	0.02652	668812.72
4343420.40	0.02982		
669034.03	4343420.40	0.03346	669255.34
4343420.40	0.03799		
669476.65	4343420.40	0.04374	669697.96
4343420.40	0.05287		
669919.27	4343420.40	0.06185	670140.58
4343420.40	0.07221		
670361.89	4343420.40	0.08741	670583.20
4343420.40	0.10750		
670804.51	4343420.40	0.13436	671025.82
4343420.40	0.15371		
671247.13	4343420.40	0.16507	671468.44
4343420.40	0.15290		
671689.75	4343420.40	0.13475	671911.06
4343420.40	0.10734		
672132.37	4343420.40	0.08176	672353.68
4343420.40	0.06262		
672574.99	4343420.40	0.04832	668148.79
4343585.36	0.02205		
668370.10	4343585.36	0.02412	668591.41

4343585.36	0.02600		
668812.72	4343585.36	0.02931	669034.03
4343585.36	0.03313		
669255.34	4343585.36	0.03741	669476.65
4343585.36	0.04257		
669697.96	4343585.36	0.04831	669919.27
4343585.36	0.05633		
670140.58	4343585.36	0.06647	670361.89
4343585.36	0.07976		
670583.20	4343585.36	0.09717	670804.51
4343585.36	0.11764		
671025.82	4343585.36	0.13645	671247.13
4343585.36	0.14037		
671468.44	4343585.36	0.13246	671689.75
4343585.36	0.11984		
671911.06	4343585.36	0.09692	672132.37
4343585.36	0.07536		
672353.68	4343585.36	0.05788	672574.99
4343585.36	0.04541		
668148.79	4343750.32	0.02138	668370.10
4343750.32	0.02373		
668591.41	4343750.32	0.02599	668812.72
4343750.32	0.02864		
669034.03	4343750.32	0.03275	669255.34
4343750.32	0.03672		
669476.65	4343750.32	0.04089	669697.96
4343750.32	0.04621		
669919.27	4343750.32	0.05297	670140.58
4343750.32	0.06194		
670361.89	4343750.32	0.07393	670583.20
4343750.32	0.08787		
670804.51	4343750.32	0.10366	671025.82
4343750.32	0.11794		
671247.13	4343750.32	0.12535	671468.44
4343750.32	0.12301		
671689.75	4343750.32	0.11396	671911.06
4343750.32	0.09515		
672132.37	4343750.32	0.07273	672353.68
4343750.32	0.05513		
672574.99	4343750.32	0.04390	668148.79
4343915.28	0.02062		
668370.10	4343915.28	0.02299	668591.41
4343915.28	0.02555		
668812.72	4343915.28	0.02819	669034.03
4343915.28	0.03169		
669255.34	4343915.28	0.03552	669476.65
4343915.28	0.03954		
669697.96	4343915.28	0.04397	669919.27
4343915.28	0.04989		
670140.58	4343915.28	0.05803	670361.89

4343915.28	0.06802		
670583.20	4343915.28	0.08021	670804.51
4343915.28	0.09293		
671025.82	4343915.28	0.10406	671247.13
4343915.28	0.10931		
671468.44	4343915.28	0.10648	671689.75
4343915.28	0.09871		
671911.06	4343915.28	0.08402	672132.37
4343915.28	0.06920		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 855

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP5 ***
 INCLUDING SOURCE(S): L0000408 , L0000409
 , L0000410 , L0000411 , L0000412 ,
 L0000413 , L0000414 , L0000415 , L0000416 , L0000417
 , L0000418 , L0000419 , L0000420 ,
 L0000421 , L0000422 , L0000423 , L0000424 , L0000425
 , L0000426 , L0000427 , L0000428 ,
 L0000429 , L0000430 , L0000431 , L0000432 , L0000433
 , L0000434 , L0000435 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672353.68	4343915.28	0.05616	672574.99
4343915.28	0.04466		
668148.79	4344080.24	0.02022	668370.10
4344080.24	0.02223		
668591.41	4344080.24	0.02470	668812.72
4344080.24	0.02746		
669034.03	4344080.24	0.03061	669255.34
4344080.24	0.03413		
669476.65	4344080.24	0.03749	669697.96
4344080.24	0.04174		
669919.27	4344080.24	0.04728	670140.58
4344080.24	0.05497		

670361.89	4344080.24	0.06287	670583.20
4344080.24	0.07319		
670804.51	4344080.24	0.08393	671025.82
4344080.24	0.09184		
671247.13	4344080.24	0.09635	671468.44
4344080.24	0.09583		
671689.75	4344080.24	0.08436	671911.06
4344080.24	0.07127		
672132.37	4344080.24	0.05863	672353.68
4344080.24	0.04859		
672574.99	4344080.24	0.03974	671464.71
4342094.27	2.05922		
671482.23	4342063.91	2.23482	671498.58
4342030.05	2.42973		
671513.75	4341991.52	2.70512	671541.78
4341964.66	2.65678		
671575.64	4341974.00	2.11094	671460.75
4342162.97	1.61219		
671451.00	4342187.35	1.51997	671510.73
4342219.66	1.24307		
671524.14	4342192.84	1.28222	671522.92
4342250.74	1.12513		
671599.11	4342252.57	0.93164	671627.76
4342256.84	0.85807		
671583.88	4342116.03	1.25150	671595.46
4342071.54	1.33875		
671663.12	4342056.30	1.13238	671600.94
4342030.09	1.51526		
671526.58	4342155.65	1.38472	671628.98
4342292.19	0.80108		
671641.78	4341980.71	1.53165	671666.77
4342018.51	1.24277		
671407.11	4342219.66	1.46989	671415.64
4342183.08	1.64244		
671635.08	4341706.42	4.07386	671693.59
4341710.08	2.75428		
671719.80	4341736.29	2.30956	671673.48
4341630.23	3.43233		
671888.04	4341936.22	0.77271	671977.64
4341952.07	0.55609		
672039.21	4341894.77	0.47984	671858.17
4341753.96	1.20297		
671922.78	4341634.49	0.88602	671613.74
4341791.15	3.68763		
671853.29	4341730.80	1.24429	671783.81
4341585.73	1.70319		
671783.20	4341546.72	1.58027	671769.18
4341461.38	1.31275		
671800.87	4341420.54	0.92527	671880.11
4341427.25	0.64424		

672012.39	4341504.66	0.45467	672084.31
4341547.94	0.42555		
671915.47	4341478.45	0.66134	671903.28
4341564.40	0.87348		
671863.05	4341522.34	0.95606	671830.13
4341336.43	0.60853		
671835.62	4341287.66	0.51487	671825.87
4341275.47	0.51130		
672136.73	4341370.56	0.22935	671920.34
4341307.17	0.35964		
671695.42	4341257.19	0.53701	671682.01
4341176.12	0.36346		
671991.66	4341196.23	0.23500	672022.14
4341231.59	0.23217		
671992.27	4341177.95	0.21020	671540.60
4341238.29	0.38754		
671575.34	4341177.95	0.28053	671454.65
4341196.23	0.32099		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 856

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP5 ***
 INCLUDING SOURCE(S): L0000408 , L0000409
 , L0000410 , L0000411 , L0000412 ,
 L0000413 , L0000414 , L0000415 , L0000416 , L0000417
 , L0000418 , L0000419 , L0000420 ,
 L0000421 , L0000422 , L0000423 , L0000424 , L0000425
 , L0000426 , L0000427 , L0000428 ,
 L0000429 , L0000430 , L0000431 , L0000432 , L0000433
 , L0000434 , L0000435 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
671523.53	4341116.38	0.22145	671413.20
4341126.74	0.24133		
671471.11	4341064.57	0.18542	671601.55

4341050.55	0.21826		
671198.64	4341253.53	0.36467	671278.49
4341212.08	0.31775		
671230.34	4341132.84	0.21498	671073.08
4341271.82	0.39631		
671122.45	4341373.61	0.66700	671118.79
4341397.38	0.74410		
670978.40	4341324.15	0.45175	670932.85
4341394.21	0.48194		
670935.19	4341367.36	0.46898	671108.01
4340976.17	0.14251		
671286.67	4340978.51	0.14092	671675.37
4342488.78	0.47648		
671091.40	4342277.23	0.85398	671051.75
4342332.07	0.68542		
671051.75	4342369.20	0.65208	670953.04
4342360.76	0.53315		
670695.71	4342235.89	0.31254	670545.53
4342318.58	0.21703		
670711.74	4342488.16	0.29273	670648.30
4342501.73	0.25027		
670648.30	4342630.87	0.19455	670806.29
4342728.41	0.25316		
670688.15	4342739.41	0.18609	670804.92
4342427.55	0.36326		
670439.48	4342471.51	0.16723	670358.43
4342578.67	0.14094		
670546.64	4342662.47	0.19467	670537.03
4342595.15	0.19647		
670483.45	4342776.50	0.16758	670508.17
4342754.52	0.17369		
670517.79	4342868.54	0.16495	670545.27
4342850.69	0.16586		
670582.36	4342878.16	0.17181	670304.85
4342688.57	0.13776		
670039.70	4342661.10	0.09200	670156.48
4342673.46	0.10526		
670236.16	4342648.73	0.11689	670071.30
4342738.03	0.09385		
669990.24	4342753.14	0.08580	669928.42
4342742.15	0.08071		
669815.77	4342673.46	0.07406	669742.96
4342655.60	0.07007		
669791.04	4342744.90	0.07154	669696.25
4342731.16	0.06645		
669536.88	4342552.57	0.05742	671174.86
4342280.21	1.04108		
671068.38	4342169.93	0.98957	670965.71
4342179.44	0.68947		
670815.50	4342198.45	0.42629	670737.55

4342097.68	0.37355		
670762.27	4342069.16	0.40730	670817.40
4342040.64	0.48865		
670895.36	4342025.43	0.63933	670979.02
4341915.15	1.01516		
671115.92	4341863.81	2.40596	671199.58
4341770.65	6.93878		
671222.39	4341377.07	0.93086	671714.84
4341392.28	1.11246		
671366.89	4341998.81	4.29208	671226.19
4342236.48	1.30164		
669098.44	4343411.59	0.03464	668908.63
4343364.56	0.03154		
668851.52	4343359.52	0.03061	668831.37
4343371.27	0.03021		
668733.94	4343302.41	0.02928	668686.91
4343199.95	0.02941		
668671.79	4343089.09	0.02997	668806.17
4343001.74	0.03260		
668918.71	4343025.26	0.03472	669024.53
4342942.95	0.03758		
669288.24	4342916.08	0.04495	669333.59
4342922.80	0.04624		
669365.51	4342978.23	0.04643	669336.95
4343151.23	0.04326		
669303.36	4343304.09	0.04085	669222.73
4343235.22	0.03931		

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 857

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP5 ***
 INCLUDING SOURCE(S): L0000408 , L0000409
 , L0000410 , L0000411 , L0000412 ,
 L0000413 , L0000414 , L0000415 , L0000416 , L0000417
 , L0000418 , L0000419 , L0000420 ,
 L0000421 , L0000422 , L0000423 , L0000424 , L0000425
 , L0000426 , L0000427 , L0000428 ,
 L0000429 , L0000430 , L0000431 , L0000432 , L0000433
 , L0000434 , L0000435 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

669135.39	4343305.77	0.03634	

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 858

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP6 ***
INCLUDING SOURCE(S): L0000473 , L0000474
, L0000475 , L0000476 , L0000477 ,
L0000478 , L0000479 , L0000480 , L0000481 , L0000482
, L0000483 , L0000484 , L0000485 ,
L0000486 , L0000487 , L0000488 , L0000489 , L0000490
, L0000491 , L0000492 , L0000493 ,
L0000494 , L0000495 , L0000496 , L0000497 , L0000498
, L0000499 , L0000500 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

668148.79	4340781.04	0.02416	668370.10
4340781.04	0.02638		
668591.41	4340781.04	0.02592	668812.72
4340781.04	0.02589		
669034.03	4340781.04	0.02627	669255.34
4340781.04	0.02808		
669476.65	4340781.04	0.02805	669697.96
4340781.04	0.02700		
669919.27	4340781.04	0.02383	670140.58
4340781.04	0.02100		
670361.89	4340781.04	0.02005	670583.20
4340781.04	0.01955		
670804.51	4340781.04	0.01923	671025.82

4340781.04	0.01779		
671247.13	4340781.04	0.01581	671468.44
4340781.04	0.01407		
671689.75	4340781.04	0.01244	671911.06
4340781.04	0.01100		
672132.37	4340781.04	0.00981	672353.68
4340781.04	0.00973		
672574.99	4340781.04	0.00993	668148.79
4340946.00	0.02570		
668370.10	4340946.00	0.02847	668591.41
4340946.00	0.02978		
668812.72	4340946.00	0.03060	669034.03
4340946.00	0.03198		
669255.34	4340946.00	0.03371	669476.65
4340946.00	0.03422		
669697.96	4340946.00	0.03338	669919.27
4340946.00	0.02921		
670140.58	4340946.00	0.02789	670361.89
4340946.00	0.02530		
670583.20	4340946.00	0.02479	670804.51
4340946.00	0.02331		
671025.82	4340946.00	0.02127	671247.13
4340946.00	0.01851		
671468.44	4340946.00	0.01601	671689.75
4340946.00	0.01452		
671911.06	4340946.00	0.01311	672132.37
4340946.00	0.01151		
672353.68	4340946.00	0.01154	672574.99
4340946.00	0.01192		
668148.79	4341110.96	0.02837	668370.10
4341110.96	0.03139		
668591.41	4341110.96	0.03446	668812.72
4341110.96	0.03587		
669034.03	4341110.96	0.03702	669255.34
4341110.96	0.03992		
669476.65	4341110.96	0.04151	669697.96
4341110.96	0.04252		
669919.27	4341110.96	0.04163	670140.58
4341110.96	0.03547		
670361.89	4341110.96	0.03172	670583.20
4341110.96	0.02973		
670804.51	4341110.96	0.02815	671025.82
4341110.96	0.02560		
671247.13	4341110.96	0.02253	671468.44
4341110.96	0.01904		
671689.75	4341110.96	0.01772	671911.06
4341110.96	0.01598		
672132.37	4341110.96	0.01416	672353.68
4341110.96	0.01387		
672574.99	4341110.96	0.01426	668148.79

4341275.92	0.03132		
668370.10	4341275.92	0.03562	668591.41
4341275.92	0.04151		
668812.72	4341275.92	0.04433	669034.03
4341275.92	0.04890		
669255.34	4341275.92	0.05183	669476.65
4341275.92	0.05356		
669697.96	4341275.92	0.05581	669919.27
4341275.92	0.05275		
670140.58	4341275.92	0.04503	670361.89
4341275.92	0.04048		
670583.20	4341275.92	0.03687	670804.51
4341275.92	0.03595		
671025.82	4341275.92	0.03245	671247.13
4341275.92	0.02864		
671468.44	4341275.92	0.02526	671689.75
4341275.92	0.02269		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 859

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP6 ***
 INCLUDING SOURCE(S): L0000473 , L0000474
 , L0000475 , L0000476 , L0000477 ,
 L0000478 , L0000479 , L0000480 , L0000481 , L0000482
 , L0000483 , L0000484 , L0000485 ,
 L0000486 , L0000487 , L0000488 , L0000489 , L0000490
 , L0000491 , L0000492 , L0000493 ,
 L0000494 , L0000495 , L0000496 , L0000497 , L0000498
 , L0000499 , L0000500 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
671911.06	4341275.92	0.02058	672132.37
4341275.92	0.01815		
672353.68	4341275.92	0.01707	672574.99
4341275.92	0.01718		

668148.79	4341440.88	0.03423	668370.10
4341440.88	0.04258		
668591.41	4341440.88	0.04977	668812.72
4341440.88	0.05631		
669034.03	4341440.88	0.05847	669255.34
4341440.88	0.06277		
669476.65	4341440.88	0.06892	669697.96
4341440.88	0.07393		
669919.27	4341440.88	0.06891	670140.58
4341440.88	0.06198		
670361.89	4341440.88	0.05584	670583.20
4341440.88	0.05015		
670804.51	4341440.88	0.05018	671025.82
4341440.88	0.04406		
671689.75	4341440.88	0.03447	671911.06
4341440.88	0.02707		
672132.37	4341440.88	0.02350	672353.68
4341440.88	0.02181		
672574.99	4341440.88	0.02203	668148.79
4341605.84	0.04528		
668370.10	4341605.84	0.05431	668591.41
4341605.84	0.06067		
668812.72	4341605.84	0.06644	669034.03
4341605.84	0.07203		
669255.34	4341605.84	0.07843	669476.65
4341605.84	0.08644		
669697.96	4341605.84	0.09291	669919.27
4341605.84	0.08988		
670140.58	4341605.84	0.09102	670361.89
4341605.84	0.08234		
670583.20	4341605.84	0.07605	670804.51
4341605.84	0.07771		
671025.82	4341605.84	0.06634	671689.75
4341605.84	0.04771		
671911.06	4341605.84	0.03672	672132.37
4341605.84	0.03102		
672353.68	4341605.84	0.02715	672574.99
4341605.84	0.02626		
668148.79	4341770.80	0.04077	668370.10
4341770.80	0.05880		
668591.41	4341770.80	0.06866	668812.72
4341770.80	0.07912		
669034.03	4341770.80	0.08879	669255.34
4341770.80	0.09478		
669476.65	4341770.80	0.10224	669697.96
4341770.80	0.10769		
669919.27	4341770.80	0.11572	670140.58
4341770.80	0.12758		
670361.89	4341770.80	0.12844	670583.20
4341770.80	0.13687		

670804.51	4341770.80	0.14670	671025.82
4341770.80	0.12880		
671689.75	4341770.80	0.05927	671911.06
4341770.80	0.04853		
672132.37	4341770.80	0.03832	672353.68
4341770.80	0.03191		
672574.99	4341770.80	0.03025	668148.79
4341935.76	0.04186		
668370.10	4341935.76	0.05242	668591.41
4341935.76	0.07769		
668812.72	4341935.76	0.09325	669034.03
4341935.76	0.10560		
669255.34	4341935.76	0.10878	669476.65
4341935.76	0.11596		
669697.96	4341935.76	0.12524	669919.27
4341935.76	0.14022		
670140.58	4341935.76	0.16907	670361.89
4341935.76	0.21747		
670583.20	4341935.76	0.30370	670804.51
4341935.76	0.52170		
671468.44	4341935.76	0.11294	671689.75
4341935.76	0.08059		
671911.06	4341935.76	0.06067	672132.37
4341935.76	0.04587		
672353.68	4341935.76	0.03660	672574.99
4341935.76	0.03193		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 860

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP6 ***
 INCLUDING SOURCE(S): L0000473 , L0000474
 , L0000475 , L0000476 , L0000477 ,
 L0000478 , L0000479 , L0000480 , L0000481 , L0000482
 , L0000483 , L0000484 , L0000485 ,
 L0000486 , L0000487 , L0000488 , L0000489 , L0000490
 , L0000491 , L0000492 , L0000493 ,
 L0000494 , L0000495 , L0000496 , L0000497 , L0000498
 , L0000499 , L0000500 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC	CONC	X-COORD (M)
668148.79	4342100.72	0.04376	668370.10
4342100.72	0.06479		
668591.41	4342100.72	0.08504	668812.72
4342100.72	0.10757		
669034.03	4342100.72	0.12590	669255.34
4342100.72	0.14192		
669476.65	4342100.72	0.15206	669697.96
4342100.72	0.17206		
669919.27	4342100.72	0.20293	670140.58
4342100.72	0.24376		
670361.89	4342100.72	0.47416	670583.20
4342100.72	2.09107		
671468.44	4342100.72	0.15548	671689.75
4342100.72	0.09896		
671911.06	4342100.72	0.07031	672132.37
4342100.72	0.05195		
672353.68	4342100.72	0.04027	672574.99
4342100.72	0.03403		
668148.79	4342265.68	0.04460	668370.10
4342265.68	0.06738		
668591.41	4342265.68	0.08041	668812.72
4342265.68	0.12507		
669034.03	4342265.68	0.17679	669255.34
4342265.68	0.22885		
669476.65	4342265.68	0.30185	669697.96
4342265.68	0.31362		
669919.27	4342265.68	0.39331	670140.58
4342265.68	0.51083		
670361.89	4342265.68	1.42681	670583.20
4342265.68	8.62322		
670804.51	4342265.68	5.87768	671025.82
4342265.68	2.27844		
671247.13	4342265.68	0.39868	671468.44
4342265.68	0.17189		
671689.75	4342265.68	0.10582	671911.06
4342265.68	0.07315		
672132.37	4342265.68	0.05463	672353.68
4342265.68	0.04239		
672574.99	4342265.68	0.03679	668148.79
4342430.64	0.04266		
668370.10	4342430.64	0.05841	668591.41
4342430.64	0.08036		
668812.72	4342430.64	0.12086	669034.03
4342430.64	0.20019		
669255.34	4342430.64	0.38083	669476.65

4342430.64	0.68261		
669697.96	4342430.64	1.18686	669919.27
4342430.64	1.14927		
670140.58	4342430.64	2.54302	670361.89
4342430.64	10.17360		
670583.20	4342430.64	2.57040	670804.51
4342430.64	1.84430		
671025.82	4342430.64	0.95280	671247.13
4342430.64	0.29392		
671468.44	4342430.64	0.15565	671689.75
4342430.64	0.09932		
671911.06	4342430.64	0.07023	672132.37
4342430.64	0.05333		
672353.68	4342430.64	0.04399	672574.99
4342430.64	0.03840		
668148.79	4342595.60	0.04124	668370.10
4342595.60	0.05489		
668591.41	4342595.60	0.07887	668812.72
4342595.60	0.12622		
669034.03	4342595.60	0.23834	669255.34
4342595.60	0.61247		
669476.65	4342595.60	3.11966	669697.96
4342595.60	7.85839		
669919.27	4342595.60	7.42869	670140.58
4342595.60	7.72759		
670361.89	4342595.60	3.20711	670583.20
4342595.60	1.27337		
670804.51	4342595.60	0.96713	671025.82
4342595.60	0.57956		
671247.13	4342595.60	0.25852	671468.44
4342595.60	0.13502		
671689.75	4342595.60	0.08796	671911.06
4342595.60	0.06364		
672132.37	4342595.60	0.04970	672353.68
4342595.60	0.04104		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 861

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP6 ***
 INCLUDING SOURCE(S): L0000473 , L0000474
 , L0000475 , L0000476 , L0000477 ,
 L0000478 , L0000479 , L0000480 , L0000481 , L0000482
 , L0000483 , L0000484 , L0000485 ,
 L0000486 , L0000487 , L0000488 , L0000489 , L0000490

, L0000491 , L0000492 , L0000493 ,
L0000494 , L0000495 , L0000496 , L0000497 , L0000498
, L0000499 , L0000500 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672574.99	4342595.60	0.03515	668148.79
4342760.56	0.03921		
668370.10	4342760.56	0.05267	668591.41
4342760.56	0.07496		
668812.72	4342760.56	0.12410	669034.03
4342760.56	0.26354		
669255.34	4342760.56	0.88637	669476.65
4342760.56	7.36639		
669697.96	4342760.56	2.09822	669919.27
4342760.56	2.48457		
670140.58	4342760.56	1.73206	670361.89
4342760.56	1.36896		
670583.20	4342760.56	0.84800	670804.51
4342760.56	0.62629		
671025.82	4342760.56	0.39338	671247.13
4342760.56	0.20154		
671468.44	4342760.56	0.11867	671689.75
4342760.56	0.08047		
671911.06	4342760.56	0.05774	672132.37
4342760.56	0.04558		
672353.68	4342760.56	0.03821	672574.99
4342760.56	0.03168		
668148.79	4342925.52	0.03625	668370.10
4342925.52	0.04812		
668591.41	4342925.52	0.06943	668812.72
4342925.52	0.11348		
669034.03	4342925.52	0.25177	669476.65
4342925.52	3.68770		
669697.96	4342925.52	1.26032	669919.27
4342925.52	1.14222		
670140.58	4342925.52	1.01509	670361.89
4342925.52	0.84040		
670583.20	4342925.52	0.65323	670804.51
4342925.52	0.46049		
671025.82	4342925.52	0.27839	671247.13
4342925.52	0.16880		

671468.44	4342925.52	0.10234	671689.75
4342925.52	0.07167		
671911.06	4342925.52	0.05289	672132.37
4342925.52	0.04085		
672353.68	4342925.52	0.03444	672574.99
4342925.52	0.02929		
668148.79	4343090.48	0.03274	668370.10
4343090.48	0.04340		
668591.41	4343090.48	0.06375	669476.65
4343090.48	1.28056		
669697.96	4343090.48	0.91652	669919.27
4343090.48	0.85078		
670140.58	4343090.48	0.73925	670361.89
4343090.48	0.63334		
670583.20	4343090.48	0.48696	670804.51
4343090.48	0.35271		
671025.82	4343090.48	0.21993	671247.13
4343090.48	0.14248		
671468.44	4343090.48	0.09084	671689.75
4343090.48	0.06396		
671911.06	4343090.48	0.04816	672132.37
4343090.48	0.03790		
672353.68	4343090.48	0.03041	672574.99
4343090.48	0.02604		
668148.79	4343255.44	0.03114	668370.10
4343255.44	0.04126		
668591.41	4343255.44	0.06006	669476.65
4343255.44	0.77358		
669697.96	4343255.44	0.63716	669919.27
4343255.44	0.59381		
670140.58	4343255.44	0.54723	670361.89
4343255.44	0.46107		
670583.20	4343255.44	0.38164	670804.51
4343255.44	0.28067		
671025.82	4343255.44	0.18137	671247.13
4343255.44	0.12149		
671468.44	4343255.44	0.08225	671689.75
4343255.44	0.05792		
671911.06	4343255.44	0.04395	672132.37
4343255.44	0.03503		
672353.68	4343255.44	0.02860	672574.99
4343255.44	0.02360		
668148.79	4343420.40	0.03090	668370.10
4343420.40	0.04088		

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*** AERMET - VERSION 14134 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP6 ***

INCLUDING SOURCE(S): L0000473 , L0000474
, L0000475 , L0000476 , L0000477 ,
L0000478 , L0000479 , L0000480 , L0000481 , L0000482
, L0000483 , L0000484 , L0000485 ,
L0000486 , L0000487 , L0000488 , L0000489 , L0000490
, L0000491 , L0000492 , L0000493 ,
L0000494 , L0000495 , L0000496 , L0000497 , L0000498
, L0000499 , L0000500 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668591.41	4343420.40	0.05882	668812.72
4343420.40	0.09887		
669034.03	4343420.40	0.19159	669255.34
4343420.40	0.35714		
669476.65	4343420.40	0.46680	669697.96
4343420.40	0.47119		
669919.27	4343420.40	0.44154	670140.58
4343420.40	0.41201		
670361.89	4343420.40	0.36478	670583.20
4343420.40	0.30475		
670804.51	4343420.40	0.22717	671025.82
4343420.40	0.16042		
671247.13	4343420.40	0.10992	671468.44
4343420.40	0.07379		
671689.75	4343420.40	0.05334	671911.06
4343420.40	0.04058		
672132.37	4343420.40	0.03239	672353.68
4343420.40	0.02663		
672574.99	4343420.40	0.02228	668148.79
4343585.36	0.03214		
668370.10	4343585.36	0.04181	668591.41
4343585.36	0.05946		
668812.72	4343585.36	0.09739	669034.03
4343585.36	0.17132		
669255.34	4343585.36	0.27619	669476.65
4343585.36	0.34678		
669697.96	4343585.36	0.35762	669919.27

4343585.36	0.35056		
670140.58	4343585.36	0.33052	670361.89
4343585.36	0.29364		
670583.20	4343585.36	0.24654	670804.51
4343585.36	0.19426		
671025.82	4343585.36	0.14272	671247.13
4343585.36	0.09736		
671468.44	4343585.36	0.06876	671689.75
4343585.36	0.05070		
671911.06	4343585.36	0.03833	672132.37
4343585.36	0.03066		
672353.68	4343585.36	0.02515	672574.99
4343585.36	0.02121		
668148.79	4343750.32	0.03113	668370.10
4343750.32	0.04576		
668591.41	4343750.32	0.06591	668812.72
4343750.32	0.09404		
669034.03	4343750.32	0.15922	669255.34
4343750.32	0.23190		
669476.65	4343750.32	0.27294	669697.96
4343750.32	0.28504		
669919.27	4343750.32	0.28238	670140.58
4343750.32	0.26730		
670361.89	4343750.32	0.23655	670583.20
4343750.32	0.20504		
670804.51	4343750.32	0.16738	671025.82
4343750.32	0.12962		
671247.13	4343750.32	0.09097	671468.44
4343750.32	0.06772		
671689.75	4343750.32	0.05117	671911.06
4343750.32	0.03821		
672132.37	4343750.32	0.02976	672353.68
4343750.32	0.02408		
672574.99	4343750.32	0.02040	668148.79
4343915.28	0.03064		
668370.10	4343915.28	0.04630	668591.41
4343915.28	0.06983		
668812.72	4343915.28	0.09703	669034.03
4343915.28	0.14010		
669255.34	4343915.28	0.19308	669476.65
4343915.28	0.22299		
669697.96	4343915.28	0.23264	669919.27
4343915.28	0.23208		
670140.58	4343915.28	0.21827	670361.89
4343915.28	0.19808		
670583.20	4343915.28	0.17051	670804.51
4343915.28	0.14083		
671025.82	4343915.28	0.10832	671247.13
4343915.28	0.08785		
671468.44	4343915.28	0.06153	671689.75

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4343915.28      0.04635
      671911.06      4343915.28      0.03574      672132.37
4343915.28      0.02887
^ *** AERMOD - VERSION 19191 ***      *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
      ***      10/04/21
*** AERMET - VERSION 14134 ***      ***
      ***      13:59:48

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PAGE 863

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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      *** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP6      ***
      INCLUDING SOURCE(S):      L0000473      , L0000474
, L0000475      , L0000476      , L0000477      ,
      L0000478      , L0000479      , L0000480      , L0000481      , L0000482
, L0000483      , L0000484      , L0000485      ,
      L0000486      , L0000487      , L0000488      , L0000489      , L0000490
, L0000491      , L0000492      , L0000493      ,
      L0000494      , L0000495      , L0000496      , L0000497      , L0000498
, L0000499      , L0000500      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

672353.68	4343915.28	0.02375	672574.99
4343915.28	0.01997		
668148.79	4344080.24	0.03104	668370.10
4344080.24	0.04530		
668591.41	4344080.24	0.06634	668812.72
4344080.24	0.08985		
669034.03	4344080.24	0.12558	669255.34
4344080.24	0.16369		
669476.65	4344080.24	0.18341	669697.96
4344080.24	0.19241		
669919.27	4344080.24	0.19189	670140.58
4344080.24	0.18153		
670361.89	4344080.24	0.16776	670583.20
4344080.24	0.14519		
670804.51	4344080.24	0.11791	671025.82
4344080.24	0.09227		
671247.13	4344080.24	0.07529	671468.44
4344080.24	0.05849		

671689.75	4344080.24	0.04231	671911.06
4344080.24	0.03266		
672132.37	4344080.24	0.02635	672353.68
4344080.24	0.02214		
672574.99	4344080.24	0.01879	671464.71
4342094.27	0.15588		
671482.23	4342063.91	0.14312	671498.58
4342030.05	0.13006		
671513.75	4341991.52	0.11713	671541.78
4341964.66	0.10543		
671575.64	4341974.00	0.10095	671460.75
4342162.97	0.16893		
671451.00	4342187.35	0.17607	671510.73
4342219.66	0.15301		
671524.14	4342192.84	0.14654	671522.92
4342250.74	0.14945		
671599.11	4342252.57	0.12614	671627.76
4342256.84	0.11907		
671583.88	4342116.03	0.12044	671595.46
4342071.54	0.11208		
671663.12	4342056.30	0.09857	671600.94
4342030.09	0.10560		
671526.58	4342155.65	0.14186	671628.98
4342292.19	0.11855		
671641.78	4341980.71	0.09205	671666.77
4342018.51	0.09363		
671407.11	4342219.66	0.20374	671415.64
4342183.08	0.19611		
671635.08	4341706.42	0.05498	671693.59
4341710.08	0.05323		
671719.80	4341736.29	0.05501	671673.48
4341630.23	0.04883		
671888.04	4341936.22	0.06261	671977.64
4341952.07	0.05662		
672039.21	4341894.77	0.04906	671858.17
4341753.96	0.05102		
671922.78	4341634.49	0.03820	671613.74
4341791.15	0.06630		
671853.29	4341730.80	0.04925	671783.81
4341585.73	0.04144		
671783.20	4341546.72	0.03855	671769.18
4341461.38	0.03329		
671800.87	4341420.54	0.02967	671880.11
4341427.25	0.02707		
672012.39	4341504.66	0.02775	672084.31
4341547.94	0.02901		
671915.47	4341478.45	0.02884	671903.28
4341564.40	0.03423		
671863.05	4341522.34	0.03288	671830.13
4341336.43	0.02450		

4341397.38	0.03837		
670978.40	4341324.15	0.03628	670932.85
4341394.21	0.04256		
670935.19	4341367.36	0.04039	671108.01
4340976.17	0.02085		
671286.67	4340978.51	0.01870	671675.37
4342488.78	0.09775		
671091.40	4342277.23	1.07163	671051.75
4342332.07	1.17642		
671051.75	4342369.20	1.02477	670953.04
4342360.76	1.81273		
670695.71	4342235.89	7.02031	670545.53
4342318.58	7.92828		
670711.74	4342488.16	1.48883	670648.30
4342501.73	1.51001		
670648.30	4342630.87	0.96535	670806.29
4342728.41	0.67067		
670688.15	4342739.41	0.71309	670804.92
4342427.55	1.87372		
670439.48	4342471.51	6.18435	670358.43
4342578.67	3.67855		
670546.64	4342662.47	1.20194	670537.03
4342595.15	1.47219		
670483.45	4342776.50	1.00771	670508.17
4342754.52	1.01491		
670517.79	4342868.54	0.77309	670545.27
4342850.69	0.75726		
670582.36	4342878.16	0.68424	670304.85
4342688.57	2.03343		
670039.70	4342661.10	6.29223	670156.48
4342673.46	3.21061		
670236.16	4342648.73	3.07025	670071.30
4342738.03	2.49426		
669990.24	4342753.14	2.62356	669928.42
4342742.15	2.88528		
669815.77	4342673.46	3.82106	669742.96
4342655.60	3.90252		
669791.04	4342744.90	2.29622	669696.25
4342731.16	2.37862		
669536.88	4342552.57	3.22503	671174.86
4342280.21	0.58386		
671068.38	4342169.93	2.43523	670965.71
4342179.44	6.27277		
670815.50	4342198.45	7.11476	670737.55
4342097.68	2.74945		
670762.27	4342069.16	1.88494	670817.40
4342040.64	1.33891		
670895.36	4342025.43	1.08907	670979.02
4341915.15	0.41018		
671115.92	4341863.81	0.23256	671199.58

4341770.65	0.13795		
671222.39	4341377.07	0.03512	671714.84
4341392.28	0.02953		
671366.89	4341998.81	0.17214	671226.19
4342236.48	0.45748		
669098.44	4343411.59	0.23585	668908.63
4343364.56	0.13083		
668851.52	4343359.52	0.11010	668831.37
4343371.27	0.10380		
668733.94	4343302.41	0.08099	668686.91
4343199.95	0.07401		
668671.79	4343089.09	0.07428	668806.17
4343001.74	0.10594		
668918.71	4343025.26	0.14818	669024.53
4342942.95	0.23741		
669288.24	4342916.08	2.31378	669333.59
4342922.80	5.94459		
669365.51	4342978.23	4.22007	669336.95
4343151.23	0.88692		
669303.36	4343304.09	0.51297	669222.73
4343235.22	0.47670		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 865

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP6 ***
 INCLUDING SOURCE(S): L0000473 , L0000474
 , L0000475 , L0000476 , L0000477 ,
 L0000478 , L0000479 , L0000480 , L0000481 , L0000482
 , L0000483 , L0000484 , L0000485 ,
 L0000486 , L0000487 , L0000488 , L0000489 , L0000490
 , L0000491 , L0000492 , L0000493 ,
 L0000494 , L0000495 , L0000496 , L0000497 , L0000498
 , L0000499 , L0000500 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

- - - - -
 - - - - -

669135.39 4343305.77 0.30248

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 866

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP7 ***
INCLUDING SOURCE(S): STCK1 , STCK2
, STCK3 , STCK4 , STCK5 ,
STCK6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4340781.04	0.15906	668370.10
4340781.04	0.19678		
668591.41	4340781.04	0.23138	668812.72
4340781.04	0.26064		
669034.03	4340781.04	0.31173	669255.34
4340781.04	0.37542		
669476.65	4340781.04	0.41476	669697.96
4340781.04	0.48427		
669919.27	4340781.04	0.58174	670140.58
4340781.04	0.50893		
670361.89	4340781.04	0.41165	670583.20
4340781.04	0.23717		
670804.51	4340781.04	0.17114	671025.82
4340781.04	0.12345		
671247.13	4340781.04	0.09325	671468.44
4340781.04	0.09009		
671689.75	4340781.04	0.08209	671911.06
4340781.04	0.06150		
672132.37	4340781.04	0.04225	672353.68
4340781.04	0.05278		
672574.99	4340781.04	0.05779	668148.79
4340946.00	0.14429		
668370.10	4340946.00	0.17422	668591.41
4340946.00	0.20794		

668812.72	4340946.00	0.24313	669034.03
4340946.00	0.31327		
669255.34	4340946.00	0.37728	669476.65
4340946.00	0.42716		
669697.96	4340946.00	0.56223	669919.27
4340946.00	0.64149		
670140.58	4340946.00	0.70643	670361.89
4340946.00	0.59707		
670583.20	4340946.00	0.43910	670804.51
4340946.00	0.22015		
671025.82	4340946.00	0.14242	671247.13
4340946.00	0.10399		
671468.44	4340946.00	0.09331	671689.75
4340946.00	0.09812		
671911.06	4340946.00	0.09306	672132.37
4340946.00	0.04344		
672353.68	4340946.00	0.04712	672574.99
4340946.00	0.05858		
668148.79	4341110.96	0.13620	668370.10
4341110.96	0.15776		
668591.41	4341110.96	0.19432	668812.72
4341110.96	0.23297		
669034.03	4341110.96	0.28974	669255.34
4341110.96	0.33980		
669476.65	4341110.96	0.44252	669697.96
4341110.96	0.61139		
669919.27	4341110.96	0.71252	670140.58
4341110.96	0.81243		
670361.89	4341110.96	0.76507	670583.20
4341110.96	0.50999		
670804.51	4341110.96	0.23969	671025.82
4341110.96	0.15189		
671247.13	4341110.96	0.13535	671468.44
4341110.96	0.11379		
671689.75	4341110.96	0.14085	671911.06
4341110.96	0.11386		
672132.37	4341110.96	0.05027	672353.68
4341110.96	0.03941		
672574.99	4341110.96	0.05978	668148.79
4341275.92	0.13024		
668370.10	4341275.92	0.15110	668591.41
4341275.92	0.18357		
668812.72	4341275.92	0.23135	669034.03
4341275.92	0.30572		
669255.34	4341275.92	0.36238	669476.65
4341275.92	0.43247		
669697.96	4341275.92	0.56667	669919.27
4341275.92	0.75124		
670140.58	4341275.92	0.76770	670361.89
4341275.92	0.82646		

670583.20	4341275.92	0.58184	670804.51
4341275.92	0.35802		
671025.82	4341275.92	0.19564	671247.13
4341275.92	0.18795		
671468.44	4341275.92	0.25183	671689.75
4341275.92	0.21394		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 867

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP7 ***
 INCLUDING SOURCE(S): STCK1 , STCK2
 , STCK3 , STCK4 , STCK5 ,
 STCK6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

*** CONC OF VARIOUS IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

671911.06	4341275.92	0.15324	672132.37
4341275.92	0.05654		
672353.68	4341275.92	0.04248	672574.99
4341275.92	0.07084		
668148.79	4341440.88	0.12412	668370.10
4341440.88	0.14532		
668591.41	4341440.88	0.17394	668812.72
4341440.88	0.22476		
669034.03	4341440.88	0.28126	669255.34
4341440.88	0.32207		
669476.65	4341440.88	0.41063	669697.96
4341440.88	0.55980		
669919.27	4341440.88	0.62272	670140.58
4341440.88	0.67698		
670361.89	4341440.88	0.80530	670583.20
4341440.88	0.79885		
670804.51	4341440.88	0.74073	671025.82
4341440.88	0.32456		
671689.75	4341440.88	0.41866	671911.06
4341440.88	0.16941		

672132.37	4341440.88	0.07147	672353.68
4341440.88	0.06519		
672574.99	4341440.88	0.11410	668148.79
4341605.84	0.12732		
668370.10	4341605.84	0.14897	668591.41
4341605.84	0.17515		
668812.72	4341605.84	0.20865	669034.03
4341605.84	0.24749		
669255.34	4341605.84	0.30093	669476.65
4341605.84	0.38584		
669697.96	4341605.84	0.50750	669919.27
4341605.84	0.46689		
670140.58	4341605.84	0.57549	670361.89
4341605.84	0.63772		
670583.20	4341605.84	0.91453	670804.51
4341605.84	1.67187		
671025.82	4341605.84	0.84901	671689.75
4341605.84	0.61839		
671911.06	4341605.84	0.22897	672132.37
4341605.84	0.12564		
672353.68	4341605.84	0.09085	672574.99
4341605.84	0.14510		
668148.79	4341770.80	0.11951	668370.10
4341770.80	0.14840		
668591.41	4341770.80	0.16081	668812.72
4341770.80	0.19139		
669034.03	4341770.80	0.23738	669255.34
4341770.80	0.30440		
669476.65	4341770.80	0.35886	669697.96
4341770.80	0.35292		
669919.27	4341770.80	0.34730	670140.58
4341770.80	0.37530		
670361.89	4341770.80	0.38807	670583.20
4341770.80	0.84666		
670804.51	4341770.80	3.14856	671025.82
4341770.80	5.30984		
671689.75	4341770.80	0.49046	671911.06
4341770.80	0.30766		
672132.37	4341770.80	0.12881	672353.68
4341770.80	0.08374		
672574.99	4341770.80	0.15711	668148.79
4341935.76	0.11594		
668370.10	4341935.76	0.13370	668591.41
4341935.76	0.15985		
668812.72	4341935.76	0.19646	669034.03
4341935.76	0.24645		
669255.34	4341935.76	0.28714	669476.65
4341935.76	0.28144		
669697.96	4341935.76	0.23476	669919.27
4341935.76	0.19637		

670140.58	4341935.76	0.22806	670361.89
4341935.76	0.31188		
670583.20	4341935.76	0.96599	670804.51
4341935.76	2.74093		
671468.44	4341935.76	1.72481	671689.75
4341935.76	0.61731		
671911.06	4341935.76	0.33849	672132.37
4341935.76	0.15236		
672353.68	4341935.76	0.09451	672574.99
4341935.76	0.11672		

^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 868

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP7 ***
 INCLUDING SOURCE(S): STCK1 , STCK2
 , STCK3 , STCK4 , STCK5 ,
 STCK6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4342100.72	0.11948	668370.10
4342100.72	0.14189		
668591.41	4342100.72	0.17556	668812.72
4342100.72	0.20481		
669034.03	4342100.72	0.25685	669255.34
4342100.72	0.31469		
669476.65	4342100.72	0.30590	669697.96
4342100.72	0.30231		
669919.27	4342100.72	0.33607	670140.58
4342100.72	0.30866		
670361.89	4342100.72	0.89341	670583.20
4342100.72	1.52559		
671468.44	4342100.72	1.57120	671689.75
4342100.72	0.59866		
671911.06	4342100.72	0.34524	672132.37
4342100.72	0.17682		

672353.68	4342100.72	0.10335	672574.99
4342100.72	0.11542		
668148.79	4342265.68	0.12602	668370.10
4342265.68	0.15091		
668591.41	4342265.68	0.16601	668812.72
4342265.68	0.19524		
669034.03	4342265.68	0.23254	669255.34
4342265.68	0.29858		
669476.65	4342265.68	0.38342	669697.96
4342265.68	0.53063		
669919.27	4342265.68	0.70734	670140.58
4342265.68	0.90090		
670361.89	4342265.68	1.20191	670583.20
4342265.68	1.77038		
670804.51	4342265.68	3.01574	671025.82
4342265.68	4.41253		
671247.13	4342265.68	5.96131	671468.44
4342265.68	1.24086		
671689.75	4342265.68	0.50495	671911.06
4342265.68	0.28654		
672132.37	4342265.68	0.20194	672353.68
4342265.68	0.13394		
672574.99	4342265.68	0.16592	668148.79
4342430.64	0.13079		
668370.10	4342430.64	0.15216	668591.41
4342430.64	0.17350		
668812.72	4342430.64	0.20316	669034.03
4342430.64	0.24201		
669255.34	4342430.64	0.29449	669476.65
4342430.64	0.37341		
669697.96	4342430.64	0.47432	669919.27
4342430.64	0.63186		
670140.58	4342430.64	0.83150	670361.89
4342430.64	1.14533		
670583.20	4342430.64	1.72680	670804.51
4342430.64	2.40353		
671025.82	4342430.64	2.89120	671247.13
4342430.64	1.87618		
671468.44	4342430.64	0.88439	671689.75
4342430.64	0.37736		
671911.06	4342430.64	0.22436	672132.37
4342430.64	0.17037		
672353.68	4342430.64	0.17034	672574.99
4342430.64	0.15304		
668148.79	4342595.60	0.13999	668370.10
4342595.60	0.16043		
668591.41	4342595.60	0.18635	668812.72
4342595.60	0.21937		
669034.03	4342595.60	0.26184	669255.34
4342595.60	0.31788		

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*** AERMET - VERSION 14134 ***      ***
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*** MODELOPTs: RegDFault CONC ELEV RURAL

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*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP7 ***
      INCLUDING SOURCE(S):      STCK1      , STCK2
, STCK3      , STCK4      , STCK5      ,
      STCK6      ,

```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672574.99	4342595.60	0.14476	668148.79
4342760.56	0.15025		
668370.10	4342760.56	0.17337	668591.41
4342760.56	0.19899		
668812.72	4342760.56	0.23355	669034.03
4342760.56	0.27893		
669255.34	4342760.56	0.33358	669476.65
4342760.56	0.39264		
669697.96	4342760.56	0.55066	669919.27
4342760.56	0.64573		
670140.58	4342760.56	0.75335	670361.89
4342760.56	0.87857		

670583.20	4342760.56	0.71083	670804.51
4342760.56	0.91255		
671025.82	4342760.56	0.89355	671247.13
4342760.56	0.67280		
671468.44	4342760.56	0.44030	671689.75
4342760.56	0.24700		
671911.06	4342760.56	0.13660	672132.37
4342760.56	0.10377		
672353.68	4342760.56	0.11260	672574.99
4342760.56	0.09656		
668148.79	4342925.52	0.15808	668370.10
4342925.52	0.18084		
668591.41	4342925.52	0.20982	668812.72
4342925.52	0.23976		
669034.03	4342925.52	0.27796	669476.65
4342925.52	0.37600		
669697.96	4342925.52	0.52581	669919.27
4342925.52	0.58919		
670140.58	4342925.52	0.59570	670361.89
4342925.52	0.66289		
670583.20	4342925.52	0.84503	670804.51
4342925.52	0.75148		
671025.82	4342925.52	0.50406	671247.13
4342925.52	0.46790		
671468.44	4342925.52	0.31876	671689.75
4342925.52	0.20437		
671911.06	4342925.52	0.12147	672132.37
4342925.52	0.07939		
672353.68	4342925.52	0.07674	672574.99
4342925.52	0.07694		
668148.79	4343090.48	0.16029	668370.10
4343090.48	0.18144		
668591.41	4343090.48	0.20952	669476.65
4343090.48	0.34240		
669697.96	4343090.48	0.40457	669919.27
4343090.48	0.51157		
670140.58	4343090.48	0.61843	670361.89
4343090.48	0.63981		
670583.20	4343090.48	0.59184	670804.51
4343090.48	0.58625		
671025.82	4343090.48	0.36785	671247.13
4343090.48	0.34075		
671468.44	4343090.48	0.24898	671689.75
4343090.48	0.16785		
671911.06	4343090.48	0.10800	672132.37
4343090.48	0.07285		
672353.68	4343090.48	0.05181	672574.99
4343090.48	0.04750		
668148.79	4343255.44	0.16033	668370.10
4343255.44	0.17857		

668591.41	4343255.44	0.19966	669476.65
4343255.44	0.32328		
669697.96	4343255.44	0.36849	669919.27
4343255.44	0.43487		
670140.58	4343255.44	0.48095	670361.89
4343255.44	0.46486		
670583.20	4343255.44	0.43484	670804.51
4343255.44	0.45053		
671025.82	4343255.44	0.28758	671247.13
4343255.44	0.25508		
671468.44	4343255.44	0.20448	671689.75
4343255.44	0.14048		
671911.06	4343255.44	0.09484	672132.37
4343255.44	0.06661		
672353.68	4343255.44	0.04907	672574.99
4343255.44	0.03627		
668148.79	4343420.40	0.15804	668370.10
4343420.40	0.17252		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 870

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP7 ***
 INCLUDING SOURCE(S): STCK1 , STCK2
 , STCK3 , STCK4 , STCK5 ,
 STCK6 ,

*** *** DISCRETE CARTESIAN RECEPTOR POINTS

** ** CONC OF VARIOUS IN MICROGRAMS/M**3
 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668591.41	4343420.40	0.18820	668812.72
4343420.40	0.20762		
669034.03	4343420.40	0.22870	669255.34
4343420.40	0.25352		
669476.65	4343420.40	0.28232	669697.96
4343420.40	0.33773		
669919.27	4343420.40	0.36188	670140.58
4343420.40	0.35841		

670361.89	4343420.40	0.35731	670583.20
4343420.40	0.34237		
670804.51	4343420.40	0.35817	671025.82
4343420.40	0.28641		
671247.13	4343420.40	0.22303	671468.44
4343420.40	0.16467		
671689.75	4343420.40	0.12147	671911.06
4343420.40	0.08506		
672132.37	4343420.40	0.05992	672353.68
4343420.40	0.04383		
672574.99	4343420.40	0.03350	668148.79
4343585.36	0.15868		
668370.10	4343585.36	0.16972	668591.41
4343585.36	0.17799		
668812.72	4343585.36	0.19688	669034.03
4343585.36	0.21867		
669255.34	4343585.36	0.23982	669476.65
4343585.36	0.26173		
669697.96	4343585.36	0.27784	669919.27
4343585.36	0.29217		
670140.58	4343585.36	0.29622	670361.89
4343585.36	0.28972		
670583.20	4343585.36	0.27997	670804.51
4343585.36	0.27640		
671025.82	4343585.36	0.27499	671247.13
4343585.36	0.18602		
671468.44	4343585.36	0.14611	671689.75
4343585.36	0.11305		
671911.06	4343585.36	0.07991	672132.37
4343585.36	0.05779		
672353.68	4343585.36	0.04164	672574.99
4343585.36	0.03196		
668148.79	4343750.32	0.14938	668370.10
4343750.32	0.16877		
668591.41	4343750.32	0.17713	668812.72
4343750.32	0.18813		
669034.03	4343750.32	0.22370	669255.34
4343750.32	0.23725		
669476.65	4343750.32	0.23962	669697.96
4343750.32	0.24799		
669919.27	4343750.32	0.25196	670140.58
4343750.32	0.25032		
670361.89	4343750.32	0.24570	670583.20
4343750.32	0.23212		
670804.51	4343750.32	0.22409	671025.82
4343750.32	0.21745		
671247.13	4343750.32	0.19858	671468.44
4343750.32	0.16527		
671689.75	4343750.32	0.13210	671911.06
4343750.32	0.09028		

672132.37	4343750.32	0.06081	672353.68
4343750.32	0.04158		
672574.99	4343750.32	0.03214	668148.79
4343915.28	0.13851		
668370.10	4343915.28	0.15787	668591.41
4343915.28	0.17822		
668812.72	4343915.28	0.18868	669034.03
4343915.28	0.21391		
669255.34	4343915.28	0.22935	669476.65
4343915.28	0.22668		
669697.96	4343915.28	0.22040	669919.27
4343915.28	0.21819		
670140.58	4343915.28	0.21529	670361.89
4343915.28	0.20644		
670583.20	4343915.28	0.19972	670804.51
4343915.28	0.19386		
671025.82	4343915.28	0.19096	671247.13
4343915.28	0.16877		
671468.44	4343915.28	0.14159	671689.75
4343915.28	0.10586		
671911.06	4343915.28	0.07892	672132.37
4343915.28	0.06315		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 871

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP7 ***
 INCLUDING SOURCE(S): STCK1 , STCK2
 , STCK3 , STCK4 , STCK5 ,
 STCK6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

 ** CONC OF VARIOUS IN MICROGRAMS/M**3
 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672353.68	4343915.28	0.04663	672574.99
4343915.28	0.03444		
668148.79	4344080.24	0.13409	668370.10
4344080.24	0.14675		

668591.41	4344080.24	0.16572	668812.72
4344080.24	0.18425		
669034.03	4344080.24	0.20156	669255.34
4344080.24	0.21306		
669476.65	4344080.24	0.20003	669697.96
4344080.24	0.19587		
669919.27	4344080.24	0.19267	670140.58
4344080.24	0.19719		
670361.89	4344080.24	0.17688	670583.20
4344080.24	0.17252		
670804.51	4344080.24	0.17405	671025.82
4344080.24	0.15940		
671247.13	4344080.24	0.14997	671468.44
4344080.24	0.13354		
671689.75	4344080.24	0.08677	671911.06
4344080.24	0.06363		
672132.37	4344080.24	0.04932	672353.68
4344080.24	0.03955		
672574.99	4344080.24	0.03069	671464.71
4342094.27	1.65933		
671482.23	4342063.91	1.62889	671498.58
4342030.05	1.53539		
671513.75	4341991.52	1.39149	671541.78
4341964.66	1.13189		
671575.64	4341974.00	0.93433	671460.75
4342162.97	1.40414		
671451.00	4342187.35	1.43038	671510.73
4342219.66	1.00297		
671524.14	4342192.84	0.96110	671522.92
4342250.74	0.92652		
671599.11	4342252.57	0.67493	671627.76
4342256.84	0.61090		
671583.88	4342116.03	0.78881	671595.46
4342071.54	0.79205		
671663.12	4342056.30	0.65357	671600.94
4342030.09	0.82509		
671526.58	4342155.65	0.97780	671628.98
4342292.19	0.58692		
671641.78	4341980.71	0.71059	671666.77
4342018.51	0.65843		
671407.11	4342219.66	1.93648	671415.64
4342183.08	1.93286		
671635.08	4341706.42	0.52567	671693.59
4341710.08	0.46451		
671719.80	4341736.29	0.46710	671673.48
4341630.23	0.52615		
671888.04	4341936.22	0.36850	671977.64
4341952.07	0.26932		
672039.21	4341894.77	0.19591	671858.17
4341753.96	0.37531		

671922.78	4341634.49	0.23488	671613.74
4341791.15	0.60063		
671853.29	4341730.80	0.36434	671783.81
4341585.73	0.38173		
671783.20	4341546.72	0.36463	671769.18
4341461.38	0.34314		
671800.87	4341420.54	0.28239	671880.11
4341427.25	0.19456		
672012.39	4341504.66	0.10234	672084.31
4341547.94	0.11162		
671915.47	4341478.45	0.17110	671903.28
4341564.40	0.21293		
671863.05	4341522.34	0.23521	671830.13
4341336.43	0.23056		
671835.62	4341287.66	0.21283	671825.87
4341275.47	0.21318		
672136.73	4341370.56	0.06145	671920.34
4341307.17	0.14290		
671695.42	4341257.19	0.20056	671682.01
4341176.12	0.14857		
671991.66	4341196.23	0.11754	672022.14
4341231.59	0.10298		
671992.27	4341177.95	0.10114	671540.60
4341238.29	0.13401		
671575.34	4341177.95	0.10857	671454.65
4341196.23	0.14195		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 872

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP7 ***
 INCLUDING SOURCE(S): STCK1 , STCK2
 , STCK3 , STCK4 , STCK5 ,
 STCK6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

- - - - -
 - - - - -

671523.53	4341116.38	0.10775	671413.20
4341126.74	0.12879		
671471.11	4341064.57	0.10703	671601.55
4341050.55	0.11157		
671198.64	4341253.53	0.17203	671278.49
4341212.08	0.16078		
671230.34	4341132.84	0.13760	671073.08
4341271.82	0.18401		
671122.45	4341373.61	0.23797	671118.79
4341397.38	0.25712		
670978.40	4341324.15	0.24384	670932.85
4341394.21	0.37013		
670935.19	4341367.36	0.33081	671108.01
4340976.17	0.12463		
671286.67	4340978.51	0.10578	671675.37
4342488.78	0.35024		
671091.40	4342277.23	5.34255	671051.75
4342332.07	3.58137		
671051.75	4342369.20	3.35258	670953.04
4342360.76	2.94211		
670695.71	4342235.89	2.55719	670545.53
4342318.58	1.69406		
670711.74	4342488.16	1.54220	670648.30
4342501.73	1.24656		
670648.30	4342630.87	0.68998	670806.29
4342728.41	0.96475		
670688.15	4342739.41	0.65331	670804.92
4342427.55	2.44025		
670439.48	4342471.51	1.36858	670358.43
4342578.67	1.17174		
670546.64	4342662.47	0.94026	670537.03
4342595.15	0.97433		
670483.45	4342776.50	0.78365	670508.17
4342754.52	0.80082		
670517.79	4342868.54	0.73815	670545.27
4342850.69	0.70068		
670582.36	4342878.16	0.73160	670304.85
4342688.57	0.99515		
670039.70	4342661.10	0.70551	670156.48
4342673.46	0.87223		
670236.16	4342648.73	0.99624	670071.30
4342738.03	0.79886		
669990.24	4342753.14	0.70808	669928.42
4342742.15	0.63915		
669815.77	4342673.46	0.57503	669742.96
4342655.60	0.54726		
669791.04	4342744.90	0.58396	669696.25
4342731.16	0.54725		
669536.88	4342552.57	0.40821	671174.86
4342280.21	5.97758		

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
669135.39	4343305.77	0.25275	

*** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 874

*** MODELOPTs: RegDFault CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP8
 INCLUDING SOURCE(S): STCK10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4340781.04	0.08433	668370.10
4340781.04	0.05364		
668591.41	4340781.04	0.04739	668812.72
4340781.04	0.04830		
669034.03	4340781.04	0.03773	669255.34
4340781.04	0.03047		
669476.65	4340781.04	0.03206	669697.96
4340781.04	0.02776		
669919.27	4340781.04	0.01602	670140.58
4340781.04	0.01215		
670361.89	4340781.04	0.00998	670583.20
4340781.04	0.00905		
670804.51	4340781.04	0.00806	671025.82
4340781.04	0.00643		
671247.13	4340781.04	0.00581	671468.44
4340781.04	0.00596		
671689.75	4340781.04	0.00585	671911.06
4340781.04	0.00535		
672132.37	4340781.04	0.00464	672353.68
4340781.04	0.00511		
672574.99	4340781.04	0.00551	668148.79
4340946.00	0.12311		

668370.10	4340946.00	0.09189	668591.41
4340946.00	0.07292		
668812.72	4340946.00	0.06880	669034.03
4340946.00	0.03949		
669255.34	4340946.00	0.03544	669476.65
4340946.00	0.03729		
669697.96	4340946.00	0.02427	669919.27
4340946.00	0.01522		
670140.58	4340946.00	0.01364	670361.89
4340946.00	0.01120		
670583.20	4340946.00	0.01078	670804.51
4340946.00	0.00807		
671025.82	4340946.00	0.00668	671247.13
4340946.00	0.00599		
671468.44	4340946.00	0.00567	671689.75
4340946.00	0.00617		
671911.06	4340946.00	0.00606	672132.37
4340946.00	0.00472		
672353.68	4340946.00	0.00503	672574.99
4340946.00	0.00566		
668148.79	4341110.96	0.13892	668370.10
4341110.96	0.13243		
668591.41	4341110.96	0.08412	668812.72
4341110.96	0.06932		
669034.03	4341110.96	0.04965	669255.34
4341110.96	0.05115		
669476.65	4341110.96	0.03901	669697.96
4341110.96	0.02448		
669919.27	4341110.96	0.02023	670140.58
4341110.96	0.01349		
670361.89	4341110.96	0.01221	670583.20
4341110.96	0.00984		
670804.51	4341110.96	0.00756	671025.82
4341110.96	0.00672		
671247.13	4341110.96	0.00653	671468.44
4341110.96	0.00596		
671689.75	4341110.96	0.00692	671911.06
4341110.96	0.00650		
672132.37	4341110.96	0.00495	672353.68
4341110.96	0.00475		
672574.99	4341110.96	0.00576	668148.79
4341275.92	0.14960		
668370.10	4341275.92	0.12960	668591.41
4341275.92	0.08517		
668812.72	4341275.92	0.05624	669034.03
4341275.92	0.03523		
669255.34	4341275.92	0.03807	669476.65
4341275.92	0.04286		
669697.96	4341275.92	0.03076	669919.27
4341275.92	0.01738		

670140.58	4341275.92	0.01287	670361.89
4341275.92	0.01190		
670583.20	4341275.92	0.00899	670804.51
4341275.92	0.00794		
671025.82	4341275.92	0.00715	671247.13
4341275.92	0.00719		
671468.44	4341275.92	0.00769	671689.75
4341275.92	0.00781		

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 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 875

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP8 ***
 INCLUDING SOURCE(S): STCK10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
671911.06	4341275.92	0.00709	672132.37
4341275.92	0.00529		
672353.68	4341275.92	0.00472	672574.99
4341275.92	0.00601		
668148.79	4341440.88	0.18424	668370.10
4341440.88	0.12629		
668591.41	4341440.88	0.08996	668812.72
4341440.88	0.05637		
669034.03	4341440.88	0.04077	669255.34
4341440.88	0.04686		
669476.65	4341440.88	0.04474	669697.96
4341440.88	0.02845		
669919.27	4341440.88	0.01718	670140.58
4341440.88	0.01372		
670361.89	4341440.88	0.01178	670583.20
4341440.88	0.00933		
670804.51	4341440.88	0.00932	671025.82
4341440.88	0.00798		
671689.75	4341440.88	0.00943	671911.06
4341440.88	0.00739		

672132.37	4341440.88	0.00564	672353.68
4341440.88	0.00553		
672574.99	4341440.88	0.00777	668148.79
4341605.84	0.14434		
668370.10	4341605.84	0.08954	668591.41
4341605.84	0.08095		
668812.72	4341605.84	0.06841	669034.03
4341605.84	0.05686		
669255.34	4341605.84	0.05095	669476.65
4341605.84	0.04416		
669697.96	4341605.84	0.02762	669919.27
4341605.84	0.01744		
670140.58	4341605.84	0.01539	670361.89
4341605.84	0.01183		
670583.20	4341605.84	0.01050	670804.51
4341605.84	0.01093		
671025.82	4341605.84	0.00938	671689.75
4341605.84	0.01003		
671911.06	4341605.84	0.00818	672132.37
4341605.84	0.00682		
672353.68	4341605.84	0.00656	672574.99
4341605.84	0.00898		
668148.79	4341770.80	0.25446	668370.10
4341770.80	0.09931		
668591.41	4341770.80	0.12141	668812.72
4341770.80	0.09564		
669034.03	4341770.80	0.06666	669255.34
4341770.80	0.04696		
669476.65	4341770.80	0.03783	669697.96
4341770.80	0.02407		
669919.27	4341770.80	0.01854	670140.58
4341770.80	0.01560		
670361.89	4341770.80	0.01238	670583.20
4341770.80	0.01256		
670804.51	4341770.80	0.01307	671025.82
4341770.80	0.01254		
671689.75	4341770.80	0.00916	671911.06
4341770.80	0.00898		
672132.37	4341770.80	0.00693	672353.68
4341770.80	0.00621		
672574.99	4341770.80	0.00951	668148.79
4341935.76	0.29195		
668370.10	4341935.76	0.28883	668591.41
4341935.76	0.14303		
668812.72	4341935.76	0.09574	669034.03
4341935.76	0.06470		
669255.34	4341935.76	0.04516	669476.65
4341935.76	0.03426		
669697.96	4341935.76	0.02355	669919.27
4341935.76	0.01880		

670140.58	4341935.76	0.01556	670361.89
4341935.76	0.01419		
670583.20	4341935.76	0.01480	670804.51
4341935.76	0.01899		
671468.44	4341935.76	0.01001	671689.75
4341935.76	0.00950		
671911.06	4341935.76	0.00952	672132.37
4341935.76	0.00750		
672353.68	4341935.76	0.00664	672574.99
4341935.76	0.00860		
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PAGE 876

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP8 ***
 INCLUDING SOURCE(S): STCK10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4342100.72	0.52690	668370.10
4342100.72	0.25782		
668591.41	4342100.72	0.12494	668812.72
4342100.72	0.11144		
669034.03	4342100.72	0.07256	669255.34
4342100.72	0.05555		
669476.65	4342100.72	0.03844	669697.96
4342100.72	0.02771		
669919.27	4342100.72	0.02279	670140.58
4342100.72	0.01824		
670361.89	4342100.72	0.02050	670583.20
4342100.72	0.02556		
671468.44	4342100.72	0.01001	671689.75
4342100.72	0.00986		
671911.06	4342100.72	0.01021	672132.37
4342100.72	0.00870		
672353.68	4342100.72	0.00732	672574.99
4342100.72	0.00859		

668148.79	4342265.68	0.70326	668370.10
4342265.68	0.32782		
668591.41	4342265.68	0.36369	668812.72
4342265.68	0.25135		
669034.03	4342265.68	0.17945	669255.34
4342265.68	0.10821		
669476.65	4342265.68	0.06852	669697.96
4342265.68	0.04138		
669919.27	4342265.68	0.03420	670140.58
4342265.68	0.02881		
670361.89	4342265.68	0.03010	670583.20
4342265.68	0.02725		
670804.51	4342265.68	0.02206	671025.82
4342265.68	0.01526		
671247.13	4342265.68	0.01485	671468.44
4342265.68	0.01177		
671689.75	4342265.68	0.01121	671911.06
4342265.68	0.01034		
672132.37	4342265.68	0.00969	672353.68
4342265.68	0.00862		
672574.99	4342265.68	0.00972	668148.79
4342430.64	0.50260		
668370.10	4342430.64	0.88521	668591.41
4342430.64	0.63815		
668812.72	4342430.64	0.68683	669034.03
4342430.64	0.69917		
669255.34	4342430.64	0.39497	669476.65
4342430.64	0.12846		
669697.96	4342430.64	0.10267	669919.27
4342430.64	0.06835		
670140.58	4342430.64	0.05058	670361.89
4342430.64	0.03815		
670583.20	4342430.64	0.02325	670804.51
4342430.64	0.02166		
671025.82	4342430.64	0.01941	671247.13
4342430.64	0.01412		
671468.44	4342430.64	0.01259	671689.75
4342430.64	0.01122		
671911.06	4342430.64	0.01029	672132.37
4342430.64	0.00987		
672353.68	4342430.64	0.01046	672574.99
4342430.64	0.01101		
668148.79	4342595.60	0.61908	668370.10
4342595.60	0.73301		
668591.41	4342595.60	0.85037	668812.72
4342595.60	0.94925		
669034.03	4342595.60	0.97878	669255.34
4342595.60	0.49338		
669476.65	4342595.60	0.34854	669697.96
4342595.60	0.12072		

669919.27	4342595.60	0.09733	670140.58
4342595.60	0.05029		
670361.89	4342595.60	0.03517	670583.20
4342595.60	0.02357		
670804.51	4342595.60	0.02215	671025.82
4342595.60	0.02084		
671247.13	4342595.60	0.01653	671468.44
4342595.60	0.01281		
671689.75	4342595.60	0.01118	671911.06
4342595.60	0.01025		
672132.37	4342595.60	0.01016	672353.68
4342595.60	0.01088		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 877

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP8 ***
 INCLUDING SOURCE(S): STCK10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672574.99	4342595.60	0.01097	668148.79
4342760.56	1.20899		
668370.10	4342760.56	1.87696	668591.41
4342760.56	1.19734		
668812.72	4342760.56	1.47011	669034.03
4342760.56	0.66774		
669255.34	4342760.56	0.36516	669476.65
4342760.56	0.32808		
669697.96	4342760.56	0.08507	669919.27
4342760.56	0.06639		
670140.58	4342760.56	0.04315	670361.89
4342760.56	0.03650		
670583.20	4342760.56	0.02774	670804.51
4342760.56	0.02397		
671025.82	4342760.56	0.02048	671247.13
4342760.56	0.01655		

671468.44	4342760.56	0.01425	671689.75
4342760.56	0.01269		
671911.06	4342760.56	0.01122	672132.37
4342760.56	0.01082		
672353.68	4342760.56	0.01150	672574.99
4342760.56	0.01117		
668148.79	4342925.52	1.39059	668370.10
4342925.52	2.29810		
668591.41	4342925.52	2.77696	668812.72
4342925.52	2.51297		
669034.03	4342925.52	1.26744	669476.65
4342925.52	0.30411		
669697.96	4342925.52	0.10165	669919.27
4342925.52	0.07128		
670140.58	4342925.52	0.05348	670361.89
4342925.52	0.04164		
670583.20	4342925.52	0.03609	670804.51
4342925.52	0.02886		
671025.82	4342925.52	0.02168	671247.13
4342925.52	0.01905		
671468.44	4342925.52	0.01601	671689.75
4342925.52	0.01417		
671911.06	4342925.52	0.01247	672132.37
4342925.52	0.01108		
672353.68	4342925.52	0.01129	672574.99
4342925.52	0.01139		
668148.79	4343090.48	0.92796	668370.10
4343090.48	1.45231		
668591.41	4343090.48	3.72656	669476.65
4343090.48	0.48129		
669697.96	4343090.48	0.22135	669919.27
4343090.48	0.11710		
670140.58	4343090.48	0.07180	670361.89
4343090.48	0.06077		
670583.20	4343090.48	0.05314	670804.51
4343090.48	0.03558		
671025.82	4343090.48	0.02479	671247.13
4343090.48	0.02112		
671468.44	4343090.48	0.01745	671689.75
4343090.48	0.01492		
671911.06	4343090.48	0.01296	672132.37
4343090.48	0.01147		
672353.68	4343090.48	0.01010	672574.99
4343090.48	0.00988		
668148.79	4343255.44	0.96310	668370.10
4343255.44	1.55902		
668591.41	4343255.44	3.03000	669476.65
4343255.44	0.59375		
669697.96	4343255.44	0.29126	669919.27
4343255.44	0.15921		

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668591.41	4343420.40	3.21811	668812.72
4343420.40	9.64715		
669034.03	4343420.40	101.37076	669255.34
4343420.40	8.24380		
669476.65	4343420.40	1.44453	669697.96
4343420.40	0.31384		
669919.27	4343420.40	0.18683	670140.58
4343420.40	0.14790		
670361.89	4343420.40	0.10205	670583.20
4343420.40	0.07630		
670804.51	4343420.40	0.04468	671025.82
4343420.40	0.02937		
671247.13	4343420.40	0.02300	671468.44
4343420.40	0.01805		

671689.75	4343420.40	0.01517	671911.06
4343420.40	0.01294		
672132.37	4343420.40	0.01131	672353.68
4343420.40	0.01004		
672574.99	4343420.40	0.00896	668148.79
4343585.36	0.72822		
668370.10	4343585.36	1.33152	668591.41
4343585.36	2.92117		
668812.72	4343585.36	6.34447	669034.03
4343585.36	7.35862		
669255.34	4343585.36	2.07477	669476.65
4343585.36	0.74419		
669697.96	4343585.36	0.51269	669919.27
4343585.36	0.28262		
670140.58	4343585.36	0.17109	670361.89
4343585.36	0.11058		
670583.20	4343585.36	0.07257	670804.51
4343585.36	0.04930		
671025.82	4343585.36	0.03535	671247.13
4343585.36	0.02275		
671468.44	4343585.36	0.01841	671689.75
4343585.36	0.01563		
671911.06	4343585.36	0.01313	672132.37
4343585.36	0.01147		
672353.68	4343585.36	0.01007	672574.99
4343585.36	0.00903		
668148.79	4343750.32	0.97886	668370.10
4343750.32	0.71116		
668591.41	4343750.32	1.45485	668812.72
4343750.32	2.84207		
669034.03	4343750.32	2.04638	669255.34
4343750.32	1.04472		
669476.65	4343750.32	0.53502	669697.96
4343750.32	0.33750		
669919.27	4343750.32	0.22407	670140.58
4343750.32	0.14705		
670361.89	4343750.32	0.09419	670583.20
4343750.32	0.07735		
670804.51	4343750.32	0.05734	671025.82
4343750.32	0.04050		
671247.13	4343750.32	0.02573	671468.44
4343750.32	0.02151		
671689.75	4343750.32	0.01830	671911.06
4343750.32	0.01418		
672132.37	4343750.32	0.01168	672353.68
4343750.32	0.00995		
672574.99	4343750.32	0.00900	668148.79
4343915.28	1.17897		
668370.10	4343915.28	0.80994	668591.41
4343915.28	0.97993		

668812.72	4343915.28	1.28849	669034.03
4343915.28	1.10801		
669255.34	4343915.28	0.67281	669476.65
4343915.28	0.35868		
669697.96	4343915.28	0.25854	669919.27
4343915.28	0.18513		
670140.58	4343915.28	0.11320	670361.89
4343915.28	0.08298		
670583.20	4343915.28	0.06192	670804.51
4343915.28	0.04928		
671025.82	4343915.28	0.03579	671247.13
4343915.28	0.03373		
671468.44	4343915.28	0.02122	671689.75
4343915.28	0.01635		
671911.06	4343915.28	0.01323	672132.37
4343915.28	0.01166		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 879

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP8 ***
 INCLUDING SOURCE(S): STCK10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672353.68	4343915.28	0.01016	672574.99
4343915.28	0.00896		
668148.79	4344080.24	0.85396	668370.10
4344080.24	0.88999		
668591.41	4344080.24	0.84255	668812.72
4344080.24	0.78169		
669034.03	4344080.24	0.69603	669255.34
4344080.24	0.47783		
669476.65	4344080.24	0.31973	669697.96
4344080.24	0.20693		
669919.27	4344080.24	0.13812	670140.58
4344080.24	0.08156		

670361.89	4344080.24	0.07601	670583.20
4344080.24	0.05389		
670804.51	4344080.24	0.03777	671025.82
4344080.24	0.02687		
671247.13	4344080.24	0.02803	671468.44
4344080.24	0.02397		
671689.75	4344080.24	0.01460	671911.06
4344080.24	0.01161		
672132.37	4344080.24	0.01001	672353.68
4344080.24	0.00908		
672574.99	4344080.24	0.00808	671464.71
4342094.27	0.00998		
671482.23	4342063.91	0.00988	671498.58
4342030.05	0.00971		
671513.75	4341991.52	0.00959	671541.78
4341964.66	0.00944		
671575.64	4341974.00	0.00920	671460.75
4342162.97	0.01045		
671451.00	4342187.35	0.01073	671510.73
4342219.66	0.01099		
671524.14	4342192.84	0.01050	671522.92
4342250.74	0.01138		
671599.11	4342252.57	0.01112	671627.76
4342256.84	0.01114		
671583.88	4342116.03	0.00947	671595.46
4342071.54	0.00916		
671663.12	4342056.30	0.00938	671600.94
4342030.09	0.00911		
671526.58	4342155.65	0.01005	671628.98
4342292.19	0.01151		
671641.78	4341980.71	0.00920	671666.77
4342018.51	0.00933		
671407.11	4342219.66	0.01137	671415.64
4342183.08	0.01095		
671635.08	4341706.42	0.00944	671693.59
4341710.08	0.00941		
671719.80	4341736.29	0.00945	671673.48
4341630.23	0.00976		
671888.04	4341936.22	0.00970	671977.64
4341952.07	0.00906		
672039.21	4341894.77	0.00807	671858.17
4341753.96	0.00947		
671922.78	4341634.49	0.00819	671613.74
4341791.15	0.00928		
671853.29	4341730.80	0.00933	671783.81
4341585.73	0.00930		
671783.20	4341546.72	0.00916	671769.18
4341461.38	0.00899		
671800.87	4341420.54	0.00857	671880.11
4341427.25	0.00765		

672012.39	4341504.66	0.00636	672084.31
4341547.94	0.00652		
671915.47	4341478.45	0.00746	671903.28
4341564.40	0.00803		
671863.05	4341522.34	0.00824	671830.13
4341336.43	0.00813		
671835.62	4341287.66	0.00797	671825.87
4341275.47	0.00798		
672136.73	4341370.56	0.00535	671920.34
4341307.17	0.00692		
671695.42	4341257.19	0.00766	671682.01
4341176.12	0.00702		
671991.66	4341196.23	0.00658	672022.14
4341231.59	0.00635		
671992.27	4341177.95	0.00630	671540.60
4341238.29	0.00662		
671575.34	4341177.95	0.00618	671454.65
4341196.23	0.00651		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 880

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP8 ***
 INCLUDING SOURCE(S): STCK10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
671523.53	4341116.38	0.00595	671413.20
4341126.74	0.00631		
671471.11	4341064.57	0.00585	671601.55
4341050.55	0.00630		
671198.64	4341253.53	0.00686	671278.49
4341212.08	0.00685		
671230.34	4341132.84	0.00650	671073.08
4341271.82	0.00699		
671122.45	4341373.61	0.00754	671118.79
4341397.38	0.00772		

670978.40	4341324.15	0.00754	670932.85
4341394.21	0.00816		
670935.19	4341367.36	0.00802	671108.01
4340976.17	0.00638		
671286.67	4340978.51	0.00602	671675.37
4342488.78	0.01115		
671091.40	4342277.23	0.01542	671051.75
4342332.07	0.01585		
671051.75	4342369.20	0.01676	670953.04
4342360.76	0.01704		
670695.71	4342235.89	0.02156	670545.53
4342318.58	0.02733		
670711.74	4342488.16	0.02099	670648.30
4342501.73	0.02132		
670648.30	4342630.87	0.02232	670806.29
4342728.41	0.02341		
670688.15	4342739.41	0.02398	670804.92
4342427.55	0.02171		
670439.48	4342471.51	0.03134	670358.43
4342578.67	0.03544		
670546.64	4342662.47	0.02682	670537.03
4342595.15	0.02487		
670483.45	4342776.50	0.03158	670508.17
4342754.52	0.03017		
670517.79	4342868.54	0.03345	670545.27
4342850.69	0.03155		
670582.36	4342878.16	0.03166	670304.85
4342688.57	0.03665		
670039.70	4342661.10	0.06033	670156.48
4342673.46	0.04593		
670236.16	4342648.73	0.04034	670071.30
4342738.03	0.05089		
669990.24	4342753.14	0.05874	669928.42
4342742.15	0.06737		
669815.77	4342673.46	0.08109	669742.96
4342655.60	0.08957		
669791.04	4342744.90	0.07596	669696.25
4342731.16	0.08671		
669536.88	4342552.57	0.31021	671174.86
4342280.21	0.01565		
671068.38	4342169.93	0.01569	670965.71
4342179.44	0.01693		
670815.50	4342198.45	0.02178	670737.55
4342097.68	0.02397		
670762.27	4342069.16	0.02330	670817.40
4342040.64	0.02184		
670895.36	4342025.43	0.02010	670979.02
4341915.15	0.01799		
671115.92	4341863.81	0.01553	671199.58
4341770.65	0.01421		

671222.39	4341377.07	0.00801	671714.84
4341392.28	0.00886		
671366.89	4341998.81	0.01187	671226.19
4342236.48	0.01491		
669098.44	4343411.59	117.80026	668908.63
4343364.56	23.20107		
668851.52	4343359.52	13.14767	668831.37
4343371.27	11.24168		
668733.94	4343302.41	5.78216	668686.91
4343199.95	6.08131		
668671.79	4343089.09	5.43612	668806.17
4343001.74	4.24069		
668918.71	4343025.26	3.18301	669024.53
4342942.95	1.59112		
669288.24	4342916.08	0.50400	669333.59
4342922.80	0.47961		
669365.51	4342978.23	0.55196	669336.95
4343151.23	1.14835		
669303.36	4343304.09	2.39242	669222.73
4343235.22	3.55646		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 881

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP8 ***
 INCLUDING SOURCE(S): STCK10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

669135.39	4343305.77	46.32002	

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 882

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP9 ***

INCLUDING SOURCE(S): STCK7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4340781.04	0.07766	668370.10
4340781.04	0.09320		
668591.41	4340781.04	0.10865	668812.72
4340781.04	0.12146		
669034.03	4340781.04	0.14119	669255.34
4340781.04	0.16633		
669476.65	4340781.04	0.17581	669697.96
4340781.04	0.18938		
669919.27	4340781.04	0.17608	670140.58
4340781.04	0.15239		
670361.89	4340781.04	0.11097	670583.20
4340781.04	0.08647		
670804.51	4340781.04	0.07538	671025.82
4340781.04	0.06431		
671247.13	4340781.04	0.05152	671468.44
4340781.04	0.04918		
671689.75	4340781.04	0.03436	671911.06
4340781.04	0.03205		
672132.37	4340781.04	0.02491	672353.68
4340781.04	0.02447		
672574.99	4340781.04	0.01977	668148.79
4340946.00	0.06772		
668370.10	4340946.00	0.08084	668591.41
4340946.00	0.09545		
668812.72	4340946.00	0.11141	669034.03
4340946.00	0.13742		
669255.34	4340946.00	0.16186	669476.65
4340946.00	0.17657		
669697.96	4340946.00	0.21814	669919.27
4340946.00	0.22538		
670140.58	4340946.00	0.19357	670361.89
4340946.00	0.15138		
670583.20	4340946.00	0.10640	670804.51
4340946.00	0.09165		

671025.82	4340946.00	0.07586	671247.13
4340946.00	0.05766		
671468.44	4340946.00	0.04875	671689.75
4340946.00	0.03872		
671911.06	4340946.00	0.03470	672132.37
4340946.00	0.02660		
672353.68	4340946.00	0.02458	672574.99
4340946.00	0.02130		
668148.79	4341110.96	0.05981	668370.10
4341110.96	0.06927		
668591.41	4341110.96	0.08410	668812.72
4341110.96	0.10026		
669034.03	4341110.96	0.12271	669255.34
4341110.96	0.14244		
669476.65	4341110.96	0.17444	669697.96
4341110.96	0.22374		
669919.27	4341110.96	0.25157	670140.58
4341110.96	0.26245		
670361.89	4341110.96	0.22942	670583.20
4341110.96	0.15878		
670804.51	4341110.96	0.11403	671025.82
4341110.96	0.08722		
671247.13	4341110.96	0.07335	671468.44
4341110.96	0.05386		
671689.75	4341110.96	0.04521	671911.06
4341110.96	0.03923		
672132.37	4341110.96	0.02731	672353.68
4341110.96	0.02404		
672574.99	4341110.96	0.02419	668148.79
4341275.92	0.05313		
668370.10	4341275.92	0.06114	668591.41
4341275.92	0.07284		
668812.72	4341275.92	0.08960	669034.03
4341275.92	0.11918		
669255.34	4341275.92	0.13761	669476.65
4341275.92	0.15934		
669697.96	4341275.92	0.20138	669919.27
4341275.92	0.26543		
670140.58	4341275.92	0.36186	670361.89
4341275.92	0.35299		
670583.20	4341275.92	0.24466	670804.51
4341275.92	0.14478		
671025.82	4341275.92	0.10974	671247.13
4341275.92	0.09683		
671468.44	4341275.92	0.06489	671689.75
4341275.92	0.05108		

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 *** AERMET - VERSION 14134 ***

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 10/04/21

 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP9 ***

INCLUDING SOURCE(S): STCK7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
671911.06	4341275.92	0.04420	672132.37
4341275.92	0.03273		
672353.68	4341275.92	0.02563	672574.99
4341275.92	0.02838		
668148.79	4341440.88	0.04735	668370.10
4341440.88	0.05402		
668591.41	4341440.88	0.06282	668812.72
4341440.88	0.07857		
669034.03	4341440.88	0.10070	669255.34
4341440.88	0.10773		
669476.65	4341440.88	0.13488	669697.96
4341440.88	0.18326		
669919.27	4341440.88	0.26491	670140.58
4341440.88	0.40277		
670361.89	4341440.88	0.50880	670583.20
4341440.88	0.41897		
670804.51	4341440.88	0.22987	671025.82
4341440.88	0.16028		
671689.75	4341440.88	0.06499	671911.06
4341440.88	0.05155		
672132.37	4341440.88	0.04141	672353.68
4341440.88	0.03907		
672574.99	4341440.88	0.03432	668148.79
4341605.84	0.04404		
668370.10	4341605.84	0.04952	668591.41
4341605.84	0.05634		
668812.72	4341605.84	0.06540	669034.03
4341605.84	0.07436		
669255.34	4341605.84	0.08684	669476.65
4341605.84	0.10876		
669697.96	4341605.84	0.13836	669919.27
4341605.84	0.21841		

670140.58	4341605.84	0.35756	670361.89
4341605.84	0.54930		
670583.20	4341605.84	0.70554	670804.51
4341605.84	0.47627		
671025.82	4341605.84	0.23572	671689.75
4341605.84	0.09051		
671911.06	4341605.84	0.06814	672132.37
4341605.84	0.05775		
672353.68	4341605.84	0.04629	672574.99
4341605.84	0.04042		
668148.79	4341770.80	0.03920	668370.10
4341770.80	0.04475		
668591.41	4341770.80	0.04811	668812.72
4341770.80	0.05446		
669034.03	4341770.80	0.06215	669255.34
4341770.80	0.07782		
669476.65	4341770.80	0.08226	669697.96
4341770.80	0.10422		
669919.27	4341770.80	0.16077	670140.58
4341770.80	0.24973		
670361.89	4341770.80	0.38702	670583.20
4341770.80	0.82780		
670804.51	4341770.80	0.67371	671025.82
4341770.80	0.20816		
671689.75	4341770.80	0.12340	671911.06
4341770.80	0.09256		
672132.37	4341770.80	0.06803	672353.68
4341770.80	0.04962		
672574.99	4341770.80	0.04607	668148.79
4341935.76	0.03531		
668370.10	4341935.76	0.03862	668591.41
4341935.76	0.04293		
668812.72	4341935.76	0.04850	669034.03
4341935.76	0.05592		
669255.34	4341935.76	0.05717	669476.65
4341935.76	0.06704		
669697.96	4341935.76	0.10425	669919.27
4341935.76	0.13624		
670140.58	4341935.76	0.17566	670361.89
4341935.76	0.25594		
670583.20	4341935.76	0.35733	670804.51
4341935.76	0.58030		
671468.44	4341935.76	0.30325	671689.75
4341935.76	0.19001		
671911.06	4341935.76	0.12210	672132.37
4341935.76	0.08319		
672353.68	4341935.76	0.05584	672574.99
4341935.76	0.04822		

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 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 884

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP9 ***
INCLUDING SOURCE(S): STCK7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4342100.72	0.03390	668370.10
4342100.72	0.03722		
668591.41	4342100.72	0.04164	668812.72
4342100.72	0.04529		
669034.03	4342100.72	0.05161	669255.34
4342100.72	0.05365		
669476.65	4342100.72	0.05633	669697.96
4342100.72	0.07654		
669919.27	4342100.72	0.10138	670140.58
4342100.72	0.14951		
670361.89	4342100.72	0.10108	670583.20
4342100.72	0.14120		
671468.44	4342100.72	0.44778	671689.75
4342100.72	0.22998		
671911.06	4342100.72	0.13776	672132.37
4342100.72	0.09295		
672353.68	4342100.72	0.06462	672574.99
4342100.72	0.05041		
668148.79	4342265.68	0.03460	668370.10
4342265.68	0.03793		
668591.41	4342265.68	0.04000	668812.72
4342265.68	0.04333		
669034.03	4342265.68	0.04526	669255.34
4342265.68	0.04849		
669476.65	4342265.68	0.05212	669697.96
4342265.68	0.05956		
669919.27	4342265.68	0.06263	670140.58
4342265.68	0.06888		
670361.89	4342265.68	0.08139	670583.20
4342265.68	0.10993		

670804.51	4342265.68	0.24433	671025.82
4342265.68	1.34609		
671247.13	4342265.68	0.87840	671468.44
4342265.68	0.37850		
671689.75	4342265.68	0.21615	671911.06
4342265.68	0.13820		
672132.37	4342265.68	0.09356	672353.68
4342265.68	0.06735		
672574.99	4342265.68	0.05439	668148.79
4342430.64	0.03601		
668370.10	4342430.64	0.03913	668591.41
4342430.64	0.04164		
668812.72	4342430.64	0.04495	669034.03
4342430.64	0.04677		
669255.34	4342430.64	0.04841	669476.65
4342430.64	0.05094		
669697.96	4342430.64	0.05281	669919.27
4342430.64	0.05682		
670140.58	4342430.64	0.06352	670361.89
4342430.64	0.08867		
670583.20	4342430.64	0.16823	670804.51
4342430.64	0.47886		
671025.82	4342430.64	1.15549	671247.13
4342430.64	0.81402		
671468.44	4342430.64	0.31734	671689.75
4342430.64	0.18399		
671911.06	4342430.64	0.11909	672132.37
4342430.64	0.08522		
672353.68	4342430.64	0.06609	672574.99
4342430.64	0.05404		
668148.79	4342595.60	0.03853	668370.10
4342595.60	0.04143		
668591.41	4342595.60	0.04482	668812.72
4342595.60	0.04877		
669034.03	4342595.60	0.05136	669255.34
4342595.60	0.05322		
669476.65	4342595.60	0.05421	669697.96
4342595.60	0.05662		
669919.27	4342595.60	0.06007	670140.58
4342595.60	0.08290		
670361.89	4342595.60	0.16097	670583.20
4342595.60	0.38860		
670804.51	4342595.60	0.57340	671025.82
4342595.60	0.80574		
671247.13	4342595.60	0.60637	671468.44
4342595.60	0.27116		
671689.75	4342595.60	0.14420	671911.06
4342595.60	0.10017		
672132.37	4342595.60	0.07600	672353.68
4342595.60	0.05957		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 885

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: SRCGP9
 INCLUDING SOURCE(S): STCK7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672574.99	4342595.60	0.05051	668148.79
4342760.56	0.04170		
668370.10	4342760.56	0.04533	668591.41
4342760.56	0.04886		
668812.72	4342760.56	0.05298	669034.03
4342760.56	0.05601		
669255.34	4342760.56	0.05686	669476.65
4342760.56	0.05619		
669697.96	4342760.56	0.06645	669919.27
4342760.56	0.08193		
670140.58	4342760.56	0.12153	670361.89
4342760.56	0.20896		
670583.20	4342760.56	0.39510	670804.51
4342760.56	0.49580		
671025.82	4342760.56	0.56814	671247.13
4342760.56	0.43157		
671468.44	4342760.56	0.24099	671689.75
4342760.56	0.13174		
671911.06	4342760.56	0.08113	672132.37
4342760.56	0.06832		
672353.68	4342760.56	0.05330	672574.99
4342760.56	0.04347		
668148.79	4342925.52	0.04502	668370.10
4342925.52	0.04851		
668591.41	4342925.52	0.05190	668812.72
4342925.52	0.05428		
669034.03	4342925.52	0.05579	669476.65
4342925.52	0.05880		

669697.96	4342925.52	0.08267	669919.27
4342925.52	0.10503		
670140.58	4342925.52	0.17099	670361.89
4342925.52	0.25423		
670583.20	4342925.52	0.31826	670804.51
4342925.52	0.38963		
671025.82	4342925.52	0.39233	671247.13
4342925.52	0.32633		
671468.44	4342925.52	0.19310	671689.75
4342925.52	0.11554		
671911.06	4342925.52	0.07314	672132.37
4342925.52	0.05174		
672353.68	4342925.52	0.04950	672574.99
4342925.52	0.03919		
668148.79	4343090.48	0.04660	668370.10
4343090.48	0.04886		
668591.41	4343090.48	0.05099	669476.65
4343090.48	0.06575		
669697.96	4343090.48	0.08653	669919.27
4343090.48	0.12823		
670140.58	4343090.48	0.17924	670361.89
4343090.48	0.24316		
670583.20	4343090.48	0.27393	670804.51
4343090.48	0.31406		
671025.82	4343090.48	0.29146	671247.13
4343090.48	0.25102		
671468.44	4343090.48	0.16326	671689.75
4343090.48	0.10192		
671911.06	4343090.48	0.06620	672132.37
4343090.48	0.04776		
672353.68	4343090.48	0.03552	672574.99
4343090.48	0.03434		
668148.79	4343255.44	0.04582	668370.10
4343255.44	0.04673		
668591.41	4343255.44	0.04777	669476.65
4343255.44	0.07849		
669697.96	4343255.44	0.10110	669919.27
4343255.44	0.13751		
670140.58	4343255.44	0.17865	670361.89
4343255.44	0.20395		
670583.20	4343255.44	0.22208	670804.51
4343255.44	0.25903		
671025.82	4343255.44	0.22943	671247.13
4343255.44	0.19394		
671468.44	4343255.44	0.14215	671689.75
4343255.44	0.09073		
671911.06	4343255.44	0.06053	672132.37
4343255.44	0.04361		
672353.68	4343255.44	0.03346	672574.99
4343255.44	0.02581		

668148.79 4343420.40 0.04366 668370.10
 4343420.40 0.04439
 *** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 886

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP9 ***

INCLUDING SOURCE(S): STCK7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668591.41	4343420.40	0.04609	668812.72
4343420.40	0.05023		
669034.03	4343420.40	0.05736	669255.34
4343420.40	0.06869		
669476.65	4343420.40	0.08403	669697.96
4343420.40	0.11223		
669919.27	4343420.40	0.13636	670140.58
4343420.40	0.15274		
670361.89	4343420.40	0.17366	670583.20
4343420.40	0.18768		
670804.51	4343420.40	0.21322	671025.82
4343420.40	0.19691		
671247.13	4343420.40	0.17083	671468.44
4343420.40	0.11932		
671689.75	4343420.40	0.08258	671911.06
4343420.40	0.05603		
672132.37	4343420.40	0.04006	672353.68
4343420.40	0.03024		
672574.99	4343420.40	0.02392	668148.79
4343585.36	0.04259		
668370.10	4343585.36	0.04449	668591.41
4343585.36	0.04730		
668812.72	4343585.36	0.05401	669034.03
4343585.36	0.06397		
669255.34	4343585.36	0.07666	669476.65
4343585.36	0.09198		

669697.96	4343585.36	0.10663	669919.27
4343585.36	0.12386		
670140.58	4343585.36	0.13967	670361.89
4343585.36	0.15245		
670583.20	4343585.36	0.16223	670804.51
4343585.36	0.16900		
671025.82	4343585.36	0.16673	671247.13
4343585.36	0.14342		
671468.44	4343585.36	0.10979	671689.75
4343585.36	0.08107		
671911.06	4343585.36	0.05485	672132.37
4343585.36	0.03967		
672353.68	4343585.36	0.02899	672574.99
4343585.36	0.02292		
668148.79	4343750.32	0.04219	668370.10
4343750.32	0.04686		
668591.41	4343750.32	0.05177	668812.72
4343750.32	0.05881		
669034.03	4343750.32	0.07333	669255.34
4343750.32	0.08535		
669476.65	4343750.32	0.09519	669697.96
4343750.32	0.10691		
669919.27	4343750.32	0.11794	670140.58
4343750.32	0.12850		
670361.89	4343750.32	0.13841	670583.20
4343750.32	0.14010		
670804.51	4343750.32	0.13977	671025.82
4343750.32	0.13408		
671247.13	4343750.32	0.12264	671468.44
4343750.32	0.10269		
671689.75	4343750.32	0.08213	671911.06
4343750.32	0.06282		
672132.37	4343750.32	0.04249	672353.68
4343750.32	0.02930		
672574.99	4343750.32	0.02295	668148.79
4343915.28	0.04286		
668370.10	4343915.28	0.04900	668591.41
4343915.28	0.05731		
668812.72	4343915.28	0.06526	669034.03
4343915.28	0.07880		
669255.34	4343915.28	0.09132	669476.65
4343915.28	0.09839		
669697.96	4343915.28	0.10389	669919.27
4343915.28	0.11072		
670140.58	4343915.28	0.11850	670361.89
4343915.28	0.12214		
670583.20	4343915.28	0.12467	670804.51
4343915.28	0.12291		
671025.82	4343915.28	0.11836	671247.13
4343915.28	0.10353		

671468.44	4343915.28	0.08990	671689.75
4343915.28	0.07287		
671911.06	4343915.28	0.05774	672132.37
4343915.28	0.04507		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 887

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP9 ***
 INCLUDING SOURCE(S): STCK7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3
 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

672353.68	4343915.28	0.03305	672574.99
4343915.28	0.02496		
668148.79	4344080.24	0.04519	668370.10
4344080.24	0.05107		
668591.41	4344080.24	0.05983	668812.72
4344080.24	0.07026		
669034.03	4344080.24	0.08227	669255.34
4344080.24	0.09332		
669476.65	4344080.24	0.09411	669697.96
4344080.24	0.09903		
669919.27	4344080.24	0.10445	670140.58
4344080.24	0.11429		
670361.89	4344080.24	0.10890	670583.20
4344080.24	0.11042		
670804.51	4344080.24	0.11142	671025.82
4344080.24	0.10157		
671247.13	4344080.24	0.09264	671468.44
4344080.24	0.08144		
671689.75	4344080.24	0.06493	671911.06
4344080.24	0.04791		
672132.37	4344080.24	0.03587	672353.68
4344080.24	0.02874		
672574.99	4344080.24	0.02234	671464.71
4342094.27	0.45316		

671482.23	4342063.91	0.41614	671498.58
4342030.05	0.37716		
671513.75	4341991.52	0.32908	671541.78
4341964.66	0.28532		
671575.64	4341974.00	0.26479	671460.75
4342162.97	0.44754		
671451.00	4342187.35	0.44408	671510.73
4342219.66	0.35412		
671524.14	4342192.84	0.35569	671522.92
4342250.74	0.32875		
671599.11	4342252.57	0.27000	671627.76
4342256.84	0.25107		
671583.88	4342116.03	0.30161	671595.46
4342071.54	0.28979		
671663.12	4342056.30	0.24144	671600.94
4342030.09	0.27795		
671526.58	4342155.65	0.35670	671628.98
4342292.19	0.23980		
671641.78	4341980.71	0.23018	671666.77
4342018.51	0.23162		
671407.11	4342219.66	0.48791	671415.64
4342183.08	0.50238		
671635.08	4341706.42	0.10958	671693.59
4341710.08	0.10526		
671719.80	4341736.29	0.10960	671673.48
4341630.23	0.09200		
671888.04	4341936.22	0.12715	671977.64
4341952.07	0.11148		
672039.21	4341894.77	0.09283	671858.17
4341753.96	0.09717		
671922.78	4341634.49	0.07118	671613.74
4341791.15	0.14357		
671853.29	4341730.80	0.09332	671783.81
4341585.73	0.07622		
671783.20	4341546.72	0.07077	671769.18
4341461.38	0.06202		
671800.87	4341420.54	0.05606	671880.11
4341427.25	0.05185		
672012.39	4341504.66	0.05297	672084.31
4341547.94	0.05562		
671915.47	4341478.45	0.05426	671903.28
4341564.40	0.06344		
671863.05	4341522.34	0.06095	671830.13
4341336.43	0.04881		
671835.62	4341287.66	0.04595	671825.87
4341275.47	0.04564		
672136.73	4341370.56	0.03530	671920.34
4341307.17	0.04556		
671695.42	4341257.19	0.05024	671682.01
4341176.12	0.04928		

671991.66	4341196.23	0.03941	672022.14
4341231.59	0.03935		
671992.27	4341177.95	0.03986	671540.60
4341238.29	0.05765		
671575.34	4341177.95	0.05226	671454.65
4341196.23	0.06304		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 888

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP9 ***
 INCLUDING SOURCE(S): STCK7 ,

*** *** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

671523.53	4341116.38	0.04970	671413.20
4341126.74	0.06636		
671471.11	4341064.57	0.05182	671601.55
4341050.55	0.04519		
671198.64	4341253.53	0.09225	671278.49
4341212.08	0.08772		
671230.34	4341132.84	0.07449	671073.08
4341271.82	0.10215		
671122.45	4341373.61	0.12406	671118.79
4341397.38	0.12917		
670978.40	4341324.15	0.13102	670932.85
4341394.21	0.16290		
670935.19	4341367.36	0.15310	671108.01
4340976.17	0.07085		
671286.67	4340978.51	0.05901	671675.37
4342488.78	0.17385		
671091.40	4342277.23	1.76454	671051.75
4342332.07	1.54516		
671051.75	4342369.20	1.39590	670953.04
4342360.76	0.96583		
670695.71	4342235.89	0.15568	670545.53
4342318.58	0.11314		

670711.74	4342488.16	0.41085	670648.30
4342501.73	0.36626		
670648.30	4342630.87	0.50751	670806.29
4342728.41	0.51944		
670688.15	4342739.41	0.48739	670804.92
4342427.55	0.47723		
670439.48	4342471.51	0.13372	670358.43
4342578.67	0.14825		
670546.64	4342662.47	0.33761	670537.03
4342595.15	0.30779		
670483.45	4342776.50	0.31293	670508.17
4342754.52	0.32940		
670517.79	4342868.54	0.32040	670545.27
4342850.69	0.34484		
670582.36	4342878.16	0.34546	670304.85
4342688.57	0.15342		
670039.70	4342661.10	0.07847	670156.48
4342673.46	0.11062		
670236.16	4342648.73	0.13135	670071.30
4342738.03	0.11082		
669990.24	4342753.14	0.09312	669928.42
4342742.15	0.07886		
669815.77	4342673.46	0.06298	669742.96
4342655.60	0.06073		
669791.04	4342744.90	0.06883	669696.25
4342731.16	0.06434		
669536.88	4342552.57	0.05340	671174.86
4342280.21	1.37287		
671068.38	4342169.93	0.31346	670965.71
4342179.44	0.23872		
670815.50	4342198.45	0.18185	670737.55
4342097.68	0.18031		
670762.27	4342069.16	0.21645	670817.40
4342040.64	0.28366		
670895.36	4342025.43	0.32566	670979.02
4341915.15	0.39888		
671115.92	4341863.81	0.21522	671199.58
4341770.65	0.22008		
671222.39	4341377.07	0.11808	671714.84
4341392.28	0.05759		
671366.89	4341998.81	0.46138	671226.19
4342236.48	0.92024		
669098.44	4343411.59	0.05980	668908.63
4343364.56	0.05176		
668851.52	4343359.52	0.05028	668831.37
4343371.27	0.04993		
668733.94	4343302.41	0.04828	668686.91
4343199.95	0.04922		
668671.79	4343089.09	0.05119	668806.17
4343001.74	0.05326		

668918.71	4343025.26	0.05372	669024.53
4342942.95	0.05550		
669288.24	4342916.08	0.05589	669333.59
4342922.80	0.05612		
669365.51	4342978.23	0.05701	669336.95
4343151.23	0.06136		
669303.36	4343304.09	0.06700	669222.73
4343235.22	0.05984		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 889

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP9 ***
 INCLUDING SOURCE(S): STCK7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
- - - - -			
669135.39	4343305.77	0.05830	

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 890

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP10 ***
 INCLUDING SOURCE(S): STCK8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4340781.04	0.07717	668370.10
4340781.04	0.08985		
668591.41	4340781.04	0.10198	668812.72
4340781.04	0.11307		
669034.03	4340781.04	0.13043	669255.34
4340781.04	0.15384		
669476.65	4340781.04	0.17004	669697.96
4340781.04	0.19635		
669919.27	4340781.04	0.24384	670140.58
4340781.04	0.25603		
670361.89	4340781.04	0.22942	670583.20
4340781.04	0.17375		
670804.51	4340781.04	0.12163	671025.82
4340781.04	0.10044		
671247.13	4340781.04	0.07207	671468.44
4340781.04	0.07179		
671689.75	4340781.04	0.05686	671911.06
4340781.04	0.04664		
672132.37	4340781.04	0.03027	672353.68
4340781.04	0.03488		
672574.99	4340781.04	0.02636	668148.79
4340946.00	0.06816		
668370.10	4340946.00	0.07808	668591.41
4340946.00	0.08756		
668812.72	4340946.00	0.09844	669034.03
4340946.00	0.11716		
669255.34	4340946.00	0.13837	669476.65
4340946.00	0.15804		
669697.96	4340946.00	0.21517	669919.27
4340946.00	0.27427		
670140.58	4340946.00	0.29391	670361.89
4340946.00	0.29640		
670583.20	4340946.00	0.24295	670804.51
4340946.00	0.17026		
671025.82	4340946.00	0.12097	671247.13
4340946.00	0.07557		
671468.44	4340946.00	0.06876	671689.75
4340946.00	0.06367		
671911.06	4340946.00	0.05543	672132.37
4340946.00	0.03025		
672353.68	4340946.00	0.03341	672574.99
4340946.00	0.02827		
668148.79	4341110.96	0.06157	668370.10
4341110.96	0.06804		
668591.41	4341110.96	0.07674	668812.72
4341110.96	0.08607		

669034.03	4341110.96	0.10019	669255.34
4341110.96	0.11520		
669476.65	4341110.96	0.14261	669697.96
4341110.96	0.20040		
669919.27	4341110.96	0.23889	670140.58
4341110.96	0.33718		
670361.89	4341110.96	0.41056	670583.20
4341110.96	0.39314		
670804.51	4341110.96	0.23388	671025.82
4341110.96	0.11766		
671247.13	4341110.96	0.10743	671468.44
4341110.96	0.08462		
671689.75	4341110.96	0.07327	671911.06
4341110.96	0.06209		
672132.37	4341110.96	0.03422	672353.68
4341110.96	0.03010		
672574.99	4341110.96	0.03223	668148.79
4341275.92	0.05663		
668370.10	4341275.92	0.06157	668591.41
4341275.92	0.06777		
668812.72	4341275.92	0.07669	669034.03
4341275.92	0.09909		
669255.34	4341275.92	0.10516	669476.65
4341275.92	0.12212		
669697.96	4341275.92	0.15567	669919.27
4341275.92	0.23443		
670140.58	4341275.92	0.37912	670361.89
4341275.92	0.51702		
670583.20	4341275.92	0.58567	670804.51
4341275.92	0.39531		
671025.82	4341275.92	0.15354	671247.13
4341275.92	0.18043		
671468.44	4341275.92	0.12881	671689.75
4341275.92	0.08731		

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 891

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP10 ***
 INCLUDING SOURCE(S): STCK8 ,

*** *** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
671911.06	4341275.92	0.06896	672132.37
4341275.92	0.04306		
672353.68	4341275.92	0.03261	672574.99
4341275.92	0.03857		
668148.79	4341440.88	0.05288	668370.10
4341440.88	0.05674		
668591.41	4341440.88	0.06101	668812.72
4341440.88	0.06899		
669034.03	4341440.88	0.08242	669255.34
4341440.88	0.08549		
669476.65	4341440.88	0.10218	669697.96
4341440.88	0.13603		
669919.27	4341440.88	0.19773	670140.58
4341440.88	0.33100		
670361.89	4341440.88	0.52681	670583.20
4341440.88	0.71053		
670804.51	4341440.88	0.82902	671025.82
4341440.88	0.35541		
671689.75	4341440.88	0.12364	671911.06
4341440.88	0.08056		
672132.37	4341440.88	0.05878	672353.68
4341440.88	0.05324		
672574.99	4341440.88	0.04843	668148.79
4341605.84	0.05124		
668370.10	4341605.84	0.05428	668591.41
4341605.84	0.05737		
668812.72	4341605.84	0.06145	669034.03
4341605.84	0.06631		
669255.34	4341605.84	0.07357	669476.65
4341605.84	0.08642		
669697.96	4341605.84	0.10578	669919.27
4341605.84	0.15476		
670140.58	4341605.84	0.23429	670361.89
4341605.84	0.38979		
670583.20	4341605.84	0.67138	670804.51
4341605.84	1.14000		
671025.82	4341605.84	1.18767	671689.75
4341605.84	0.19452		
671911.06	4341605.84	0.11300	672132.37
4341605.84	0.08604		
672353.68	4341605.84	0.06418	672574.99
4341605.84	0.05864		
668148.79	4341770.80	0.04857	668370.10
4341770.80	0.05191		

668591.41	4341770.80	0.05287	668812.72
4341770.80	0.05571		
669034.03	4341770.80	0.06029	669255.34
4341770.80	0.07174		
669476.65	4341770.80	0.07603	669697.96
4341770.80	0.09110		
669919.27	4341770.80	0.13269	670140.58
4341770.80	0.18650		
670361.89	4341770.80	0.25569	670583.20
4341770.80	0.41422		
670804.51	4341770.80	0.63689	671025.82
4341770.80	1.68918		
671689.75	4341770.80	0.25122	671911.06
4341770.80	0.15586		
672132.37	4341770.80	0.10060	672353.68
4341770.80	0.06690		
672574.99	4341770.80	0.06607	668148.79
4341935.76	0.04717		
668370.10	4341935.76	0.04905	668591.41
4341935.76	0.05115		
668812.72	4341935.76	0.05398	669034.03
4341935.76	0.05942		
669255.34	4341935.76	0.06527	669476.65
4341935.76	0.07032		
669697.96	4341935.76	0.10192	669919.27
4341935.76	0.12869		
670140.58	4341935.76	0.16060	670361.89
4341935.76	0.21753		
670583.20	4341935.76	0.20895	670804.51
4341935.76	0.32152		
671468.44	4341935.76	1.03575	671689.75
4341935.76	0.35194		
671911.06	4341935.76	0.18720	672132.37
4341935.76	0.11251		
672353.68	4341935.76	0.06877	672574.99
4341935.76	0.06247		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 892

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP10 ***
 INCLUDING SOURCE(S): STCK8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)

4342100.72	668148.79	4342100.72	0.04898	668370.10
4342100.72	0.05136			
4342100.72	668591.41	4342100.72	0.05406	668812.72
4342100.72	0.05595			
4342100.72	669034.03	4342100.72	0.06197	669255.34
4342100.72	0.06840			
4342100.72	669476.65	4342100.72	0.07265	669697.96
4342100.72	0.09823			
4342100.72	669919.27	4342100.72	0.12826	670140.58
4342100.72	0.19066			
4342100.72	670361.89	4342100.72	0.11699	670583.20
4342100.72	0.14904			
4342100.72	671468.44	4342100.72	0.81659	671689.75
4342100.72	0.31438			
4342100.72	671911.06	4342100.72	0.18250	672132.37
4342100.72	0.11809			
4342100.72	672353.68	4342100.72	0.07335	672574.99
4342100.72	0.06163			
4342265.68	668148.79	4342265.68	0.05270	668370.10
4342265.68	0.05545			
4342265.68	668591.41	4342265.68	0.05612	668812.72
4342265.68	0.05783			
4342265.68	669034.03	4342265.68	0.05974	669255.34
4342265.68	0.06361			
4342265.68	669476.65	4342265.68	0.06860	669697.96
4342265.68	0.08035			
4342265.68	669919.27	4342265.68	0.08812	670140.58
4342265.68	0.09716			
4342265.68	670361.89	4342265.68	0.12167	670583.20
4342265.68	0.17965			
4342265.68	670804.51	4342265.68	0.39570	671025.82
4342265.68	1.16903			
4342265.68	671247.13	4342265.68	2.00289	671468.44
4342265.68	0.73601			
4342265.68	671689.75	4342265.68	0.27735	671911.06
4342265.68	0.15643			
4342265.68	672132.37	4342265.68	0.10491	672353.68
4342265.68	0.07862			
4342430.64	672574.99	4342265.68	0.06661	668148.79
4342430.64	0.05567			
4342430.64	668370.10	4342430.64	0.05833	668591.41
4342430.64	0.05923			

668812.72	4342430.64	0.06066	669034.03
4342430.64	0.06253		
669255.34	4342430.64	0.06537	669476.65
4342430.64	0.07049		
669697.96	4342430.64	0.07633	669919.27
4342430.64	0.08649		
670140.58	4342430.64	0.10224	670361.89
4342430.64	0.14295		
670583.20	4342430.64	0.24701	670804.51
4342430.64	0.51567		
671025.82	4342430.64	0.93391	671247.13
4342430.64	1.01985		
671468.44	4342430.64	0.56165	671689.75
4342430.64	0.24499		
671911.06	4342430.64	0.14081	672132.37
4342430.64	0.09544		
672353.68	4342430.64	0.07427	672574.99
4342430.64	0.06437		
668148.79	4342595.60	0.05930	668370.10
4342595.60	0.06220		
668591.41	4342595.60	0.06420	668812.72
4342595.60	0.06655		
669034.03	4342595.60	0.06928	669255.34
4342595.60	0.07255		
669476.65	4342595.60	0.07586	669697.96
4342595.60	0.08278		
669919.27	4342595.60	0.09295	670140.58
4342595.60	0.12495		
670361.89	4342595.60	0.20637	670583.20
4342595.60	0.40909		
670804.51	4342595.60	0.54571	671025.82
4342595.60	0.67860		
671247.13	4342595.60	0.67557	671468.44
4342595.60	0.39793		
671689.75	4342595.60	0.19488	671911.06
4342595.60	0.11423		
672132.37	4342595.60	0.08672	672353.68
4342595.60	0.06671		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 893

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP10 ***
 INCLUDING SOURCE(S): STCK8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672574.99	4342595.60	0.06023	668148.79
4342760.56	0.06416		
668370.10	4342760.56	0.06854	668591.41
4342760.56	0.07074		
668812.72	4342760.56	0.07322	669034.03
4342760.56	0.07577		
669255.34	4342760.56	0.07806	669476.65
4342760.56	0.08051		
669697.96	4342760.56	0.09671	669919.27
4342760.56	0.11603		
670140.58	4342760.56	0.16353	670361.89
4342760.56	0.24406		
670583.20	4342760.56	0.40545	670804.51
4342760.56	0.46594		
671025.82	4342760.56	0.50396	671247.13
4342760.56	0.44530		
671468.44	4342760.56	0.30476	671689.75
4342760.56	0.17919		
671911.06	4342760.56	0.09827	672132.37
4342760.56	0.07656		
672353.68	4342760.56	0.06096	672574.99
4342760.56	0.04890		
668148.79	4342925.52	0.06895	668370.10
4342925.52	0.07356		
668591.41	4342925.52	0.07583	668812.72
4342925.52	0.07677		
669034.03	4342925.52	0.07790	669476.65
4342925.52	0.08627		
669697.96	4342925.52	0.11257	669919.27
4342925.52	0.14065		
670140.58	4342925.52	0.20227	670361.89
4342925.52	0.27679		
670583.20	4342925.52	0.31623	670804.51
4342925.52	0.36392		
671025.82	4342925.52	0.34271	671247.13
4342925.52	0.32634		
671468.44	4342925.52	0.22731	671689.75
4342925.52	0.14947		
671911.06	4342925.52	0.09072	672132.37
4342925.52	0.05915		

672353.68	4342925.52	0.05665	672574.99
4342925.52	0.04462		
668148.79	4343090.48	0.07121	668370.10
4343090.48	0.07502		
668591.41	4343090.48	0.07721	669476.65
4343090.48	0.09257		
669697.96	4343090.48	0.11164	669919.27
4343090.48	0.14710		
670140.58	4343090.48	0.19939	670361.89
4343090.48	0.23148		
670583.20	4343090.48	0.24638	670804.51
4343090.48	0.29212		
671025.82	4343090.48	0.25854	671247.13
4343090.48	0.24470		
671468.44	4343090.48	0.18242	671689.75
4343090.48	0.12561		
671911.06	4343090.48	0.08194	672132.37
4343090.48	0.05612		
672353.68	4343090.48	0.03917	672574.99
4343090.48	0.03643		
668148.79	4343255.44	0.07128	668370.10
4343255.44	0.07429		
668591.41	4343255.44	0.07665	669476.65
4343255.44	0.10257		
669697.96	4343255.44	0.12111	669919.27
4343255.44	0.14961		
670140.58	4343255.44	0.17937	670361.89
4343255.44	0.19426		
670583.20	4343255.44	0.20128	670804.51
4343255.44	0.22366		
671025.82	4343255.44	0.20824	671247.13
4343255.44	0.18735		
671468.44	4343255.44	0.15320	671689.75
4343255.44	0.10754		
671911.06	4343255.44	0.07333	672132.37
4343255.44	0.05195		
672353.68	4343255.44	0.03797	672574.99
4343255.44	0.02780		
668148.79	4343420.40	0.07030	668370.10
4343420.40	0.07311		

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 894

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP10 ***

INCLUDING SOURCE(S): STCK8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668591.41	4343420.40	0.07632	668812.72
4343420.40	0.07954		
669034.03	4343420.40	0.08450	669255.34
4343420.40	0.09274		
669476.65	4343420.40	0.10472	669697.96
4343420.40	0.12740		
669919.27	4343420.40	0.14453	670140.58
4343420.40	0.15402		
670361.89	4343420.40	0.16548	670583.20
4343420.40	0.17086		
670804.51	4343420.40	0.18680	671025.82
4343420.40	0.19619		
671247.13	4343420.40	0.17029	671468.44
4343420.40	0.12579		
671689.75	4343420.40	0.09478	671911.06
4343420.40	0.06645		
672132.37	4343420.40	0.04728	672353.68
4343420.40	0.03486		
672574.99	4343420.40	0.02638	668148.79
4343585.36	0.06986		
668370.10	4343585.36	0.07321	668591.41
4343585.36	0.07673		
668812.72	4343585.36	0.08272	669034.03
4343585.36	0.09005		
669255.34	4343585.36	0.09904	669476.65
4343585.36	0.10963		
669697.96	4343585.36	0.11925	669919.27
4343585.36	0.13067		
670140.58	4343585.36	0.13974	670361.89
4343585.36	0.14491		
670583.20	4343585.36	0.14815	670804.51
4343585.36	0.15073		
671025.82	4343585.36	0.15083	671247.13
4343585.36	0.14417		
671468.44	4343585.36	0.11478	671689.75
4343585.36	0.09000		
671911.06	4343585.36	0.06377	672132.37
4343585.36	0.04638		

672353.68	4343585.36	0.03356	672574.99
4343585.36	0.02581		
668148.79	4343750.32	0.06880	668370.10
4343750.32	0.07424		
668591.41	4343750.32	0.07938	668812.72
4343750.32	0.08596		
669034.03	4343750.32	0.09754	669255.34
4343750.32	0.10547		
669476.65	4343750.32	0.11059	669697.96
4343750.32	0.11724		
669919.27	4343750.32	0.12312	670140.58
4343750.32	0.12743		
670361.89	4343750.32	0.13085	670583.20
4343750.32	0.12853		
670804.51	4343750.32	0.12651	671025.82
4343750.32	0.12346		
671247.13	4343750.32	0.12474	671468.44
4343750.32	0.10934		
671689.75	4343750.32	0.09071	671911.06
4343750.32	0.07145		
672132.37	4343750.32	0.04905	672353.68
4343750.32	0.03381		
672574.99	4343750.32	0.02621	668148.79
4343915.28	0.06798		
668370.10	4343915.28	0.07446	668591.41
4343915.28	0.08257		
668812.72	4343915.28	0.08983	669034.03
4343915.28	0.10106		
669255.34	4343915.28	0.10905	669476.65
4343915.28	0.11174		
669697.96	4343915.28	0.11278	669919.27
4343915.28	0.11462		
670140.58	4343915.28	0.11653	670361.89
4343915.28	0.11564		
670583.20	4343915.28	0.11458	670804.51
4343915.28	0.11210		
671025.82	4343915.28	0.10988	671247.13
4343915.28	0.09942		
671468.44	4343915.28	0.09560	671689.75
4343915.28	0.08033		
671911.06	4343915.28	0.06386	672132.37
4343915.28	0.05163		

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
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*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP10 ***
 INCLUDING SOURCE(S): STCK8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

*** CONC OF VARIOUS IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672353.68	4343915.28	0.03838	672574.99
4343915.28	0.02839		
668148.79	4344080.24	0.06857	668370.10
4344080.24	0.07458		
668591.41	4344080.24	0.08287	668812.72
4344080.24	0.09213		
669034.03	4344080.24	0.10229	669255.34
4344080.24	0.10973		
669476.65	4344080.24	0.10646	669697.96
4344080.24	0.10691		
669919.27	4344080.24	0.10707	670140.58
4344080.24	0.11086		
670361.89	4344080.24	0.10324	670583.20
4344080.24	0.10189		
670804.51	4344080.24	0.10215	671025.82
4344080.24	0.10316		
671247.13	4344080.24	0.08940	671468.44
4344080.24	0.08131		
671689.75	4344080.24	0.07060	671911.06
4344080.24	0.05256		
672132.37	4344080.24	0.04036	672353.68
4344080.24	0.03262		
672574.99	4344080.24	0.02534	671464.71
4342094.27	0.85024		
671482.23	4342063.91	0.79591	671498.58
4342030.05	0.76332		
671513.75	4341991.52	0.77203	671541.78
4341964.66	0.66837		
671575.64	4341974.00	0.56401	671460.75
4342162.97	0.79890		
671451.00	4342187.35	0.84218	671510.73
4342219.66	0.57753		
671524.14	4342192.84	0.54324	671522.92
4342250.74	0.53824		
671599.11	4342252.57	0.38645	671627.76
4342256.84	0.34645		

671583.88	4342116.03	0.42027	671595.46
4342071.54	0.42610		
671663.12	4342056.30	0.36708	671600.94
4342030.09	0.47256		
671526.58	4342155.65	0.53568	671628.98
4342292.19	0.33920		
671641.78	4341980.71	0.42372	671666.77
4342018.51	0.38391		
671407.11	4342219.66	1.13889	671415.64
4342183.08	1.13670		
671635.08	4341706.42	0.23123	671693.59
4341710.08	0.21247		
671719.80	4341736.29	0.21882	671673.48
4341630.23	0.18834		
671888.04	4341936.22	0.19783	671977.64
4341952.07	0.16236		
672039.21	4341894.77	0.14106	671858.17
4341753.96	0.17395		
671922.78	4341634.49	0.11784	671613.74
4341791.15	0.32375		
671853.29	4341730.80	0.16749	671783.81
4341585.73	0.14159		
671783.20	4341546.72	0.12939	671769.18
4341461.38	0.11083		
671800.87	4341420.54	0.09528	671880.11
4341427.25	0.08241		
672012.39	4341504.66	0.08195	672084.31
4341547.94	0.08520		
671915.47	4341478.45	0.08538	671903.28
4341564.40	0.10407		
671863.05	4341522.34	0.10146	671830.13
4341336.43	0.07971		
671835.62	4341287.66	0.07439	671825.87
4341275.47	0.07410		
672136.73	4341370.56	0.04725	671920.34
4341307.17	0.07076		
671695.42	4341257.19	0.08545	671682.01
4341176.12	0.08146		
671991.66	4341196.23	0.06028	672022.14
4341231.59	0.05914		
671992.27	4341177.95	0.06187	671540.60
4341238.29	0.10489		
671575.34	4341177.95	0.08174	671454.65
4341196.23	0.12136		

▲ *** AERMOD - VERSION 19191 ***

 *** AERMET - VERSION 14134 ***

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 10/04/21

 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP10 ***

INCLUDING SOURCE(S): STCK8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
671523.53	4341116.38	0.07949	671413.20
4341126.74	0.10712		
671471.11	4341064.57	0.07915	671601.55
4341050.55	0.08044		
671198.64	4341253.53	0.14667	671278.49
4341212.08	0.14563		
671230.34	4341132.84	0.10572	671073.08
4341271.82	0.13865		
671122.45	4341373.61	0.23696	671118.79
4341397.38	0.26710		
670978.40	4341324.15	0.22750	670932.85
4341394.21	0.42126		
670935.19	4341367.36	0.35964	671108.01
4340976.17	0.09982		
671286.67	4340978.51	0.07720	671675.37
4342488.78	0.23730		
671091.40	4342277.23	1.48875	671051.75
4342332.07	1.20654		
671051.75	4342369.20	1.11808	670953.04
4342360.76	0.86742		
670695.71	4342235.89	0.25097	670545.53
4342318.58	0.18600		
670711.74	4342488.16	0.44902	670648.30
4342501.73	0.40590		
670648.30	4342630.87	0.47671	670806.29
4342728.41	0.48742		
670688.15	4342739.41	0.43537	670804.92
4342427.55	0.51566		
670439.48	4342471.51	0.19462	670358.43
4342578.67	0.19593		
670546.64	4342662.47	0.36394	670537.03
4342595.15	0.34474		
670483.45	4342776.50	0.33577	670508.17
4342754.52	0.35115		

670517.79	4342868.54	0.33714	670545.27
4342850.69	0.35992		
670582.36	4342878.16	0.35706	670304.85
4342688.57	0.19633		
670039.70	4342661.10	0.11639	670156.48
4342673.46	0.15036		
670236.16	4342648.73	0.17321	670071.30
4342738.03	0.14726		
669990.24	4342753.14	0.12817	669928.42
4342742.15	0.11338		
669815.77	4342673.46	0.09455	669742.96
4342655.60	0.08984		
669791.04	4342744.90	0.10091	669696.25
4342731.16	0.09405		
669536.88	4342552.57	0.07551	671174.86
4342280.21	1.83234		
671068.38	4342169.93	1.37438	670965.71
4342179.44	0.69481		
670815.50	4342198.45	0.33356	670737.55
4342097.68	0.19745		
670762.27	4342069.16	0.20815	670817.40
4342040.64	0.24415		
670895.36	4342025.43	0.31712	670979.02
4341915.15	0.66690		
671115.92	4341863.81	2.21327	671199.58
4341770.65	1.56488		
671222.39	4341377.07	0.24833	671714.84
4341392.28	0.10171		
671366.89	4341998.81	2.60724	671226.19
4342236.48	2.31463		
669098.44	4343411.59	0.08616	668908.63
4343364.56	0.08030		
668851.52	4343359.52	0.07922	668831.37
4343371.27	0.07904		
668733.94	4343302.41	0.07748	668686.91
4343199.95	0.07713		
668671.79	4343089.09	0.07712	668806.17
4343001.74	0.07712		
668918.71	4343025.26	0.07782	669024.53
4342942.95	0.07786		
669288.24	4342916.08	0.08063	669333.59
4342922.80	0.08162		
669365.51	4342978.23	0.08370	669336.95
4343151.23	0.08792		
669303.36	4343304.09	0.09208	669222.73
4343235.22	0.08617		

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 *** AERMET - VERSION 14134 ***

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 10/04/21

 13:59:48

PAGE 897

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP10 ***

INCLUDING SOURCE(S): STCK8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
669135.39	4343305.77	0.08477	

▲ *** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 898

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP11 ***

INCLUDING SOURCE(S): STCK9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4340781.04	0.11312	668370.10
4340781.04	0.12943		
668591.41	4340781.04	0.14645	668812.72
4340781.04	0.16493		
669034.03	4340781.04	0.18854	669255.34
4340781.04	0.21587		
669476.65	4340781.04	0.24416	669697.96
4340781.04	0.27860		

669919.27	4340781.04	0.65333	670140.58
4340781.04	0.66060		
670361.89	4340781.04	0.54591	670583.20
4340781.04	0.30415		
670804.51	4340781.04	0.21447	671025.82
4340781.04	0.16345		
671247.13	4340781.04	0.12033	671468.44
4340781.04	0.11651		
671689.75	4340781.04	0.10038	671911.06
4340781.04	0.07679		
672132.37	4340781.04	0.04891	672353.68
4340781.04	0.06418		
672574.99	4340781.04	0.06982	668148.79
4340946.00	0.11075		
668370.10	4340946.00	0.12835	668591.41
4340946.00	0.14695		
668812.72	4340946.00	0.16767	669034.03
4340946.00	0.19717		
669255.34	4340946.00	0.22890	669476.65
4340946.00	0.26397		
669697.96	4340946.00	0.31151	669919.27
4340946.00	0.74137		
670140.58	4340946.00	0.87271	670361.89
4340946.00	0.79697		
670583.20	4340946.00	0.61666	670804.51
4340946.00	0.30475		
671025.82	4340946.00	0.19686	671247.13
4340946.00	0.13252		
671468.44	4340946.00	0.12037	671689.75
4340946.00	0.12268		
671911.06	4340946.00	0.11884	672132.37
4340946.00	0.05127		
672353.68	4340946.00	0.05383	672574.99
4340946.00	0.07307		
668148.79	4341110.96	0.11121	668370.10
4341110.96	0.12564		
668591.41	4341110.96	0.14782	668812.72
4341110.96	0.17090		
669034.03	4341110.96	0.20079	669255.34
4341110.96	0.23374		
669476.65	4341110.96	0.28183	669697.96
4341110.96	0.34040		
669919.27	4341110.96	0.40834	670140.58
4341110.96	0.96999		
670361.89	4341110.96	1.02741	670583.20
4341110.96	0.71106		
670804.51	4341110.96	0.36546	671025.82
4341110.96	0.20185		
671247.13	4341110.96	0.18268	671468.44
4341110.96	0.15093		

671689.75	4341110.96	0.18229	671911.06
4341110.96	0.14298		
672132.37	4341110.96	0.05700	672353.68
4341110.96	0.04625		
672574.99	4341110.96	0.07769	668148.79
4341275.92	0.11244		
668370.10	4341275.92	0.12786	668591.41
4341275.92	0.14876		
668812.72	4341275.92	0.17448	669034.03
4341275.92	0.20661		
669255.34	4341275.92	0.24448	669476.65
4341275.92	0.29286		
669697.96	4341275.92	0.36014	669919.27
4341275.92	0.79376		
670140.58	4341275.92	0.85026	670361.89
4341275.92	0.96772		
670583.20	4341275.92	0.89920	670804.51
4341275.92	0.62113		
671025.82	4341275.92	0.26387	671247.13
4341275.92	0.29143		
671468.44	4341275.92	0.35486	671689.75
4341275.92	0.31160		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 899

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP11 ***
 INCLUDING SOURCE(S): STCK9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
671911.06	4341275.92	0.20159	672132.37
4341275.92	0.06798		
672353.68	4341275.92	0.04930	672574.99
4341275.92	0.09482		
668148.79	4341440.88	0.11246	668370.10
4341440.88	0.12906		

668591.41	4341440.88	0.14934	668812.72
4341440.88	0.17591		
669034.03	4341440.88	0.20731	669255.34
4341440.88	0.24523		
669476.65	4341440.88	0.29858	669697.96
4341440.88	0.37283		
669919.27	4341440.88	0.61612	670140.58
4341440.88	0.64063		
670361.89	4341440.88	0.87358	670583.20
4341440.88	1.04781		
670804.51	4341440.88	1.33143	671025.82
4341440.88	0.57145		
671689.75	4341440.88	1.30115	671911.06
4341440.88	0.21891		
672132.37	4341440.88	0.09253	672353.68
4341440.88	0.08333		
672574.99	4341440.88	0.21868	668148.79
4341605.84	0.11590		
668370.10	4341605.84	0.13211	668591.41
4341605.84	0.15169		
668812.72	4341605.84	0.17610	669034.03
4341605.84	0.20661		
669255.34	4341605.84	0.24663	669476.65
4341605.84	0.30144		
669697.96	4341605.84	0.37695	669919.27
4341605.84	0.44632		
670140.58	4341605.84	0.51054	670361.89
4341605.84	0.59775		
670583.20	4341605.84	0.97362	670804.51
4341605.84	2.32835		
671025.82	4341605.84	2.18299	671689.75
4341605.84	1.90036		
671911.06	4341605.84	0.35759	672132.37
4341605.84	0.16227		
672353.68	4341605.84	0.11010	672574.99
4341605.84	0.37930		
668148.79	4341770.80	0.11482	668370.10
4341770.80	0.13370		
668591.41	4341770.80	0.15099	668812.72
4341770.80	0.17597		
669034.03	4341770.80	0.20846	669255.34
4341770.80	0.25058		
669476.65	4341770.80	0.35178	669697.96
4341770.80	0.39036		
669919.27	4341770.80	0.35954	670140.58
4341770.80	0.36732		
670361.89	4341770.80	0.37611	670583.20
4341770.80	0.75947		
670804.51	4341770.80	3.01704	671025.82
4341770.80	10.14939		

671689.75	4341770.80	0.81429	671911.06
4341770.80	0.44781		
672132.37	4341770.80	0.16790	672353.68
4341770.80	0.10455		
672574.99	4341770.80	0.40080	668148.79
4341935.76	0.11271		
668370.10	4341935.76	0.13071	668591.41
4341935.76	0.15308		
668812.72	4341935.76	0.17988	669034.03
4341935.76	0.21321		
669255.34	4341935.76	0.29401	669476.65
4341935.76	0.31017		
669697.96	4341935.76	0.24448	669919.27
4341935.76	0.21018		
670140.58	4341935.76	0.25528	670361.89
4341935.76	0.35309		
670583.20	4341935.76	1.01623	670804.51
4341935.76	3.02135		
671468.44	4341935.76	3.54369	671689.75
4341935.76	0.90252		
671911.06	4341935.76	0.44535	672132.37
4341935.76	0.18707		
672353.68	4341935.76	0.10810	672574.99
4341935.76	0.15156		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 900

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP11 ***
 INCLUDING SOURCE(S): STCK9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4342100.72	0.11583	668370.10
4342100.72	0.13570		
668591.41	4342100.72	0.15859	668812.72
4342100.72	0.18424		

669034.03	4342100.72	0.21858	669255.34
4342100.72	0.26219		
669476.65	4342100.72	0.36786	669697.96
4342100.72	0.38944		
669919.27	4342100.72	0.43502	670140.58
4342100.72	0.40398		
670361.89	4342100.72	1.26784	670583.20
4342100.72	1.56982		
671468.44	4342100.72	1.69878	671689.75
4342100.72	0.66160		
671911.06	4342100.72	0.40546	672132.37
4342100.72	0.20492		
672353.68	4342100.72	0.11380	672574.99
4342100.72	0.14131		
668148.79	4342265.68	0.11911	668370.10
4342265.68	0.13918		
668591.41	4342265.68	0.15622	668812.72
4342265.68	0.18278		
669034.03	4342265.68	0.21632	669255.34
4342265.68	0.26479		
669476.65	4342265.68	0.32619	669697.96
4342265.68	0.41222		
669919.27	4342265.68	0.53244	670140.58
4342265.68	1.02506		
670361.89	4342265.68	0.98478	670583.20
4342265.68	1.43299		
670804.51	4342265.68	2.28749	671025.82
4342265.68	3.80626		
671247.13	4342265.68	4.04236	671468.44
4342265.68	1.34815		
671689.75	4342265.68	0.54051	671911.06
4342265.68	0.30051		
672132.37	4342265.68	0.21091	672353.68
4342265.68	0.14708		
672574.99	4342265.68	0.38442	668148.79
4342430.64	0.11554		
668370.10	4342430.64	0.13699	668591.41
4342430.64	0.15154		
668812.72	4342430.64	0.17454	669034.03
4342430.64	0.20485		
669255.34	4342430.64	0.24728	669476.65
4342430.64	0.31511		
669697.96	4342430.64	0.39004	669919.27
4342430.64	0.50144		
670140.58	4342430.64	0.63955	670361.89
4342430.64	0.85045		
670583.20	4342430.64	1.79984	670804.51
4342430.64	2.35748		
671025.82	4342430.64	2.42219	671247.13
4342430.64	1.52827		

671468.44	4342430.64	0.88260	671689.75
4342430.64	0.39983		
671911.06	4342430.64	0.23653	672132.37
4342430.64	0.18123		
672353.68	4342430.64	0.23031	672574.99
4342430.64	0.35732		
668148.79	4342595.60	0.11870	668370.10
4342595.60	0.13325		
668591.41	4342595.60	0.15223	668812.72
4342595.60	0.17628		
669034.03	4342595.60	0.20641	669255.34
4342595.60	0.24717		
669476.65	4342595.60	0.29206	669697.96
4342595.60	0.37356		
669919.27	4342595.60	0.44774	670140.58
4342595.60	0.58115		
670361.89	4342595.60	0.74089	670583.20
4342595.60	0.93853		
670804.51	4342595.60	1.31829	671025.82
4342595.60	1.38308		
671247.13	4342595.60	1.05011	671468.44
4342595.60	0.57248		
671689.75	4342595.60	0.28737	671911.06
4342595.60	0.16974		
672132.37	4342595.60	0.13642	672353.68
4342595.60	0.16560		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 901

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP11 ***

INCLUDING SOURCE(S): STCK9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672574.99	4342595.60	0.32955	668148.79
4342760.56	0.12264		

668370.10	4342760.56	0.13954	668591.41
4342760.56	0.15499		
668812.72	4342760.56	0.17916	669034.03
4342760.56	0.21201		
669255.34	4342760.56	0.24882	669476.65
4342760.56	0.28464		
669697.96	4342760.56	0.36133	669919.27
4342760.56	0.42734		
670140.58	4342760.56	0.78421	670361.89
4342760.56	0.94057		
670583.20	4342760.56	0.73395	670804.51
4342760.56	0.82999		
671025.82	4342760.56	0.77801	671247.13
4342760.56	0.60266		
671468.44	4342760.56	0.41831	671689.75
4342760.56	0.25120		
671911.06	4342760.56	0.13816	672132.37
4342760.56	0.11008		
672353.68	4342760.56	0.12722	672574.99
4342760.56	0.11784		
668148.79	4342925.52	0.12267	668370.10
4342925.52	0.13797		
668591.41	4342925.52	0.15786	668812.72
4342925.52	0.17674		
669034.03	4342925.52	0.20229	669476.65
4342925.52	0.26924		
669697.96	4342925.52	0.32754	669919.27
4342925.52	0.58443		
670140.58	4342925.52	0.64283	670361.89
4342925.52	0.67639		
670583.20	4342925.52	0.79893	670804.51
4342925.52	0.68328		
671025.82	4342925.52	0.45445	671247.13
4342925.52	0.42907		
671468.44	4342925.52	0.30222	671689.75
4342925.52	0.20216		
671911.06	4342925.52	0.12286	672132.37
4342925.52	0.07964		
672353.68	4342925.52	0.08204	672574.99
4342925.52	0.08471		
668148.79	4343090.48	0.11628	668370.10
4343090.48	0.13045		
668591.41	4343090.48	0.15250	669476.65
4343090.48	0.24232		
669697.96	4343090.48	0.28281	669919.27
4343090.48	0.32841		
670140.58	4343090.48	0.58672	670361.89
4343090.48	0.41355		
670583.20	4343090.48	0.45129	670804.51
4343090.48	0.53184		

671025.82	4343090.48	0.33602	671247.13
4343090.48	0.31493		
671468.44	4343090.48	0.23673	671689.75
4343090.48	0.16408		
671911.06	4343090.48	0.10788	672132.37
4343090.48	0.07365		
672353.68	4343090.48	0.05107	672574.99
4343090.48	0.04982		
668148.79	4343255.44	0.11370	668370.10
4343255.44	0.12589		
668591.41	4343255.44	0.14165	669476.65
4343255.44	0.22592		
669697.96	4343255.44	0.25306	669919.27
4343255.44	0.28550		
670140.58	4343255.44	0.31572	670361.89
4343255.44	0.34000		
670583.20	4343255.44	0.36305	670804.51
4343255.44	0.41012		
671025.82	4343255.44	0.26650	671247.13
4343255.44	0.23781		
671468.44	4343255.44	0.19568	671689.75
4343255.44	0.13721		
671911.06	4343255.44	0.09353	672132.37
4343255.44	0.06665		
672353.68	4343255.44	0.04860	672574.99
4343255.44	0.03552		
668148.79	4343420.40	0.11302	668370.10
4343420.40	0.12247		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 902

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP11 ***
 INCLUDING SOURCE(S): STCK9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

- - - - -
 - - - - -

668591.41	4343420.40	0.13193	668812.72
4343420.40	0.14623		
669034.03	4343420.40	0.15980	669255.34
4343420.40	0.17553		
669476.65	4343420.40	0.19393	669697.96
4343420.40	0.22709		
669919.27	4343420.40	0.24726	670140.58
4343420.40	0.26010		
670361.89	4343420.40	0.28060	670583.20
4343420.40	0.30275		
670804.51	4343420.40	0.34098	671025.82
4343420.40	0.26969		
671247.13	4343420.40	0.21268	671468.44
4343420.40	0.15801		
671689.75	4343420.40	0.11882	671911.06
4343420.40	0.08320		
672132.37	4343420.40	0.05942	672353.68
4343420.40	0.04384		
672574.99	4343420.40	0.03269	668148.79
4343585.36	0.11159		
668370.10	4343585.36	0.12035	668591.41
4343585.36	0.12611		
668812.72	4343585.36	0.13959	669034.03
4343585.36	0.15363		
669255.34	4343585.36	0.16684	669476.65
4343585.36	0.18077		
669697.96	4343585.36	0.19148	669919.27
4343585.36	0.20726		
670140.58	4343585.36	0.22273	670361.89
4343585.36	0.23904		
670583.20	4343585.36	0.25983	670804.51
4343585.36	0.28485		
671025.82	4343585.36	0.30488	671247.13
4343585.36	0.17839		
671468.44	4343585.36	0.14310	671689.75
4343585.36	0.11172		
671911.06	4343585.36	0.07867	672132.37
4343585.36	0.05725		
672353.68	4343585.36	0.04148	672574.99
4343585.36	0.03174		
668148.79	4343750.32	0.10539	668370.10
4343750.32	0.11532		
668591.41	4343750.32	0.12335	668812.72
4343750.32	0.13176		
669034.03	4343750.32	0.14653	669255.34
4343750.32	0.15743		
669476.65	4343750.32	0.16530	669697.96
4343750.32	0.17435		
669919.27	4343750.32	0.18419	670140.58
4343750.32	0.19621		

670361.89	4343750.32	0.21165	670583.20
4343750.32	0.22474		
670804.51	4343750.32	0.24131	671025.82
4343750.32	0.25614		
671247.13	4343750.32	0.19624	671468.44
4343750.32	0.16644		
671689.75	4343750.32	0.13349	671911.06
4343750.32	0.08949		
672132.37	4343750.32	0.06150	672353.68
4343750.32	0.04136		
672574.99	4343750.32	0.03214	668148.79
4343915.28	0.09845		
668370.10	4343915.28	0.10805	668591.41
4343915.28	0.11718		
668812.72	4343915.28	0.12532	669034.03
4343915.28	0.13576		
669255.34	4343915.28	0.14540	669476.65
4343915.28	0.15296		
669697.96	4343915.28	0.15798	669919.27
4343915.28	0.16487		
670140.58	4343915.28	0.17539	670361.89
4343915.28	0.18575		
670583.20	4343915.28	0.19898	670804.51
4343915.28	0.21201		
671025.82	4343915.28	0.22309	671247.13
4343915.28	0.22297		
671468.44	4343915.28	0.14252	671689.75
4343915.28	0.10529		
671911.06	4343915.28	0.07821	672132.37
4343915.28	0.06398		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 903

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: SRCGP11
 INCLUDING SOURCE(S): STCK9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

672353.68	4343915.28	0.04800	672574.99	
4343915.28	0.03505			
668148.79	4344080.24	0.09385	668370.10	
4344080.24	0.10090			
668591.41	4344080.24	0.10918	668812.72	
4344080.24	0.11735			
669034.03	4344080.24	0.12554	669255.34	
4344080.24	0.13333			
669476.65	4344080.24	0.13810	669697.96	
4344080.24	0.14317			
669919.27	4344080.24	0.14970	670140.58	
4344080.24	0.16014			
670361.89	4344080.24	0.16517	670583.20	
4344080.24	0.17642			
670804.51	4344080.24	0.18835	671025.82	
4344080.24	0.15596			
671247.13	4344080.24	0.19545	671468.44	
4344080.24	0.19066			
671689.75	4344080.24	0.08596	671911.06	
4344080.24	0.06342			
672132.37	4344080.24	0.04858	672353.68	
4344080.24	0.03971			
672574.99	4344080.24	0.03067	671464.71	
4342094.27	1.79555			
671482.23	4342063.91	1.80876	671498.58	
4342030.05	1.85759			
671513.75	4341991.52	1.98411	671541.78	
4341964.66	1.75159			
671575.64	4341974.00	1.34281	671460.75	
4342162.97	1.54871			
671451.00	4342187.35	1.59406	671510.73	
4342219.66	1.08829			
671524.14	4342192.84	1.02411	671522.92	
4342250.74	1.00600			
671599.11	4342252.57	0.72264	671627.76	
4342256.84	0.65482			
671583.88	4342116.03	0.82236	671595.46	
4342071.54	0.86340			
671663.12	4342056.30	0.75864	671600.94	
4342030.09	0.98918			
671526.58	4342155.65	1.02917	671628.98	
4342292.19	0.63507			
671641.78	4341980.71	0.96847	671666.77	
4342018.51	0.82848			
671407.11	4342219.66	2.06974	671415.64	
4342183.08	2.15596			
671635.08	4341706.42	0.94744	671693.59	
4341710.08	0.86048			

671719.80	4341736.29	0.85807	671673.48
4341630.23	1.15876		
671888.04	4341936.22	0.49105	671977.64
4341952.07	0.34042		
672039.21	4341894.77	0.25871	671858.17
4341753.96	0.63493		
671922.78	4341634.49	0.36011	671613.74
4341791.15	1.05906		
671853.29	4341730.80	0.62514	671783.81
4341585.73	0.80328		
671783.20	4341546.72	0.74400	671769.18
4341461.38	0.66130		
671800.87	4341420.54	0.46816	671880.11
4341427.25	0.26274		
672012.39	4341504.66	0.13947	672084.31
4341547.94	0.15221		
671915.47	4341478.45	0.22765	671903.28
4341564.40	0.32396		
671863.05	4341522.34	0.36251	671830.13
4341336.43	0.35505		
671835.62	4341287.66	0.32263	671825.87
4341275.47	0.32437		
672136.73	4341370.56	0.07433	671920.34
4341307.17	0.18010		
671695.42	4341257.19	0.28620	671682.01
4341176.12	0.19596		
671991.66	4341196.23	0.14840	672022.14
4341231.59	0.12436		
671992.27	4341177.95	0.12751	671540.60
4341238.29	0.18739		
671575.34	4341177.95	0.14273	671454.65
4341196.23	0.20540		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 904

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP11 ***
 INCLUDING SOURCE(S): STCK9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)

	671523.53	4341116.38	0.14181	671413.20
4341126.74	0.17657			
	671471.11	4341064.57	0.14080	671601.55
4341050.55	0.14811			
	671198.64	4341253.53	0.23634	671278.49
4341212.08	0.23489			
	671230.34	4341132.84	0.18291	671073.08
4341271.82	0.24344			
	671122.45	4341373.61	0.36208	671118.79
4341397.38	0.40791			
	670978.40	4341324.15	0.37907	670932.85
4341394.21	0.67017			
	670935.19	4341367.36	0.57294	671108.01
4340976.17	0.16919			
	671286.67	4340978.51	0.13552	671675.37
4342488.78	0.36797			
	671091.40	4342277.23	3.93666	671051.75
4342332.07	2.86752			
	671051.75	4342369.20	2.62489	670953.04
4342360.76	2.61904			
	670695.71	4342235.89	1.92707	670545.53
4342318.58	1.28451			
	670711.74	4342488.16	1.58931	670648.30
4342501.73	1.31496			
	670648.30	4342630.87	0.76788	670806.29
4342728.41	0.88218			
	670688.15	4342739.41	0.67186	670804.92
4342427.55	2.35566			
	670439.48	4342471.51	0.92962	670358.43
4342578.67	0.75146			
	670546.64	4342662.47	0.96848	670537.03
4342595.15	1.03446			
	670483.45	4342776.50	0.79805	670508.17
4342754.52	0.81430			
	670517.79	4342868.54	0.72905	670545.27
4342850.69	0.69485			
	670582.36	4342878.16	0.70761	670304.85
4342688.57	0.96161			
	670039.70	4342661.10	0.50055	670156.48
4342673.46	0.56224			
	670236.16	4342648.73	0.62051	670071.30
4342738.03	0.49507			
	669990.24	4342753.14	0.45628	669928.42
4342742.15	0.43423			
	669815.77	4342673.46	0.40996	669742.96
4342655.60	0.39053			

669791.04	4342744.90	0.39051	669696.25
4342731.16	0.36595		
669536.88	4342552.57	0.30906	671174.86
4342280.21	4.06897		
671068.38	4342169.93	8.10197	670965.71
4342179.44	4.29449		
670815.50	4342198.45	2.64232	670737.55
4342097.68	2.29936		
670762.27	4342069.16	2.50390	670817.40
4342040.64	3.04691		
670895.36	4342025.43	4.17621	670979.02
4341915.15	6.30531		
671115.92	4341863.81	15.76404	671199.58
4341770.65	14.14587		
671222.39	4341377.07	0.48820	671714.84
4341392.28	0.55174		
671366.89	4341998.81	14.80699	671226.19
4342236.48	5.05358		
669098.44	4343411.59	0.16404	668908.63
4343364.56	0.15458		
668851.52	4343359.52	0.15102	668831.37
4343371.27	0.14892		
668733.94	4343302.41	0.14773	668686.91
4343199.95	0.15168		
668671.79	4343089.09	0.15684	668806.17
4343001.74	0.17137		
668918.71	4343025.26	0.18243	669024.53
4342942.95	0.19904		
669288.24	4342916.08	0.23846	669333.59
4342922.80	0.24439		
669365.51	4342978.23	0.24168	669336.95
4343151.23	0.21503		
669303.36	4343304.09	0.19543	669222.73
4343235.22	0.19339		

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 905

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP11 ***
 INCLUDING SOURCE(S): STCK9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

669135.39	4343305.77	0.17641	

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 906

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP12 ***
INCLUDING SOURCE(S): L0001020 , L0001021
, L0001022 , L0001023 , L0001024 ,
L0001025 , L0001026 , L0001027 , L0001028 , L0001029
, L0001030 , L0001031 , L0001032 ,
L0001033 , L0001034 , L0001035 , L0001036 , L0001037
, L0001038 , L0001039 , L0001040 ,
L0001041 , L0001042 , L0001043 , L0001044 , L0001045
, L0001046 , L0001047 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

668148.79	4340781.04	0.03789	668370.10
4340781.04	0.04321		
668591.41	4340781.04	0.04886	668812.72
4340781.04	0.05507		
669034.03	4340781.04	0.06318	669255.34
4340781.04	0.07305		
669476.65	4340781.04	0.08384	669697.96
4340781.04	0.09747		
669919.27	4340781.04	0.15618	670140.58
4340781.04	0.17513		
670361.89	4340781.04	0.17528	670583.20
4340781.04	0.13512		
670804.51	4340781.04	0.11344	671025.82

4340781.04	0.09202		
671247.13	4340781.04	0.08950	671468.44
4340781.04	0.09387		
671689.75	4340781.04	0.10120	671911.06
4340781.04	0.09088		
672132.37	4340781.04	0.07464	672353.68
4340781.04	0.08397		
672574.99	4340781.04	0.07365	668148.79
4340946.00	0.03741		
668370.10	4340946.00	0.04305	668591.41
4340946.00	0.04914		
668812.72	4340946.00	0.05603	669034.03
4340946.00	0.06575		
669255.34	4340946.00	0.07664	669476.65
4340946.00	0.08914		
669697.96	4340946.00	0.11038	669919.27
4340946.00	0.17114		
670140.58	4340946.00	0.20906	670361.89
4340946.00	0.22617		
670583.20	4340946.00	0.22108	670804.51
4340946.00	0.15533		
671025.82	4340946.00	0.12135	671247.13
4340946.00	0.10938		
671468.44	4340946.00	0.11153	671689.75
4340946.00	0.13914		
671911.06	4340946.00	0.14140	672132.37
4340946.00	0.08365		
672353.68	4340946.00	0.07602	672574.99
4340946.00	0.08136		
668148.79	4341110.96	0.03752	668370.10
4341110.96	0.04241		
668591.41	4341110.96	0.04951	668812.72
4341110.96	0.05712		
669034.03	4341110.96	0.06696	669255.34
4341110.96	0.07816		
669476.65	4341110.96	0.09406	669697.96
4341110.96	0.12343		
669919.27	4341110.96	0.14164	670140.58
4341110.96	0.22386		
670361.89	4341110.96	0.25568	670583.20
4341110.96	0.24720		
670804.51	4341110.96	0.19623	671025.82
4341110.96	0.15508		
671247.13	4341110.96	0.15794	671468.44
4341110.96	0.15762		
671689.75	4341110.96	0.21761	671911.06
4341110.96	0.20229		
672132.37	4341110.96	0.09580	672353.68
4341110.96	0.07969		
672574.99	4341110.96	0.09945	668148.79

4341275.92	0.03764		
668370.10	4341275.92	0.04282	668591.41
4341275.92	0.04967		
668812.72	4341275.92	0.05815	669034.03
4341275.92	0.06927		
669255.34	4341275.92	0.08153	669476.65
4341275.92	0.09728		
669697.96	4341275.92	0.11948	669919.27
4341275.92	0.18156		
670140.58	4341275.92	0.20404	670361.89
4341275.92	0.25279		
670583.20	4341275.92	0.26380	670804.51
4341275.92	0.27485		
671025.82	4341275.92	0.23472	671247.13
4341275.92	0.27284		
671468.44	4341275.92	0.37099	671689.75
4341275.92	0.38522		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 907

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP12 ***
 INCLUDING SOURCE(S): L0001020 , L0001021
 , L0001022 , L0001023 , L0001024 ,
 L0001025 , L0001026 , L0001027 , L0001028 , L0001029
 , L0001030 , L0001031 , L0001032 ,
 L0001033 , L0001034 , L0001035 , L0001036 , L0001037
 , L0001038 , L0001039 , L0001040 ,
 L0001041 , L0001042 , L0001043 , L0001044 , L0001045
 , L0001046 , L0001047 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
671911.06	4341275.92	0.28464	672132.37
4341275.92	0.13009		
672353.68	4341275.92	0.10539	672574.99
4341275.92	0.12967		

668148.79	4341440.88	0.03728	668370.10
4341440.88	0.04275		
668591.41	4341440.88	0.04943	668812.72
4341440.88	0.05827		
669034.03	4341440.88	0.06891	669255.34
4341440.88	0.08143		
669476.65	4341440.88	0.09886	669697.96
4341440.88	0.12361		
669919.27	4341440.88	0.16014	670140.58
4341440.88	0.18154		
670361.89	4341440.88	0.23822	670583.20
4341440.88	0.29723		
670804.51	4341440.88	0.43034	671025.82
4341440.88	0.41991		
671689.75	4341440.88	0.95490	671911.06
4341440.88	0.37899		
672132.37	4341440.88	0.20755	672353.68
4341440.88	0.17008		
672574.99	4341440.88	0.19630	668148.79
4341605.84	0.03766		
668370.10	4341605.84	0.04298	668591.41
4341605.84	0.04941		
668812.72	4341605.84	0.05747	669034.03
4341605.84	0.06762		
669255.34	4341605.84	0.08089	669476.65
4341605.84	0.09882		
669697.96	4341605.84	0.12310	669919.27
4341605.84	0.12780		
670140.58	4341605.84	0.16273	670361.89
4341605.84	0.20484		
670583.20	4341605.84	0.30720	670804.51
4341605.84	0.61676		
671025.82	4341605.84	0.86288	671689.75
4341605.84	2.03543		
671911.06	4341605.84	0.68031	672132.37
4341605.84	0.35803		
672353.68	4341605.84	0.24022	672574.99
4341605.84	0.23678		
668148.79	4341770.80	0.03674	668370.10
4341770.80	0.04261		
668591.41	4341770.80	0.04821	668812.72
4341770.80	0.05617		
669034.03	4341770.80	0.06663	669255.34
4341770.80	0.08014		
669476.65	4341770.80	0.09187	669697.96
4341770.80	0.09174		
669919.27	4341770.80	0.10020	670140.58
4341770.80	0.12462		
670361.89	4341770.80	0.15783	670583.20
4341770.80	0.30676		

670804.51	4341770.80	0.82555	671025.82
4341770.80	2.09958		
671689.75	4341770.80	2.43757	671911.06
4341770.80	0.93116		
672132.37	4341770.80	0.40694	672353.68
4341770.80	0.24488		
672574.99	4341770.80	0.25702	668148.79
4341935.76	0.03552		
668370.10	4341935.76	0.04087	668591.41
4341935.76	0.04751		
668812.72	4341935.76	0.05562	669034.03
4341935.76	0.06591		
669255.34	4341935.76	0.07219	669476.65
4341935.76	0.07036		
669697.96	4341935.76	0.06747	669919.27
4341935.76	0.07095		
670140.58	4341935.76	0.09316	670361.89
4341935.76	0.14025		
670583.20	4341935.76	0.33095	670804.51
4341935.76	1.09478		
671468.44	4341935.76	7.82524	671689.75
4341935.76	2.08072		
671911.06	4341935.76	0.90033	672132.37
4341935.76	0.41628		
672353.68	4341935.76	0.24419	672574.99
4341935.76	0.22789		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 908

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP12 ***
 INCLUDING SOURCE(S): L0001020 , L0001021
 , L0001022 , L0001023 , L0001024 ,
 L0001025 , L0001026 , L0001027 , L0001028 , L0001029
 , L0001030 , L0001031 , L0001032 ,
 L0001033 , L0001034 , L0001035 , L0001036 , L0001037
 , L0001038 , L0001039 , L0001040 ,
 L0001041 , L0001042 , L0001043 , L0001044 , L0001045
 , L0001046 , L0001047 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC	CONC	X-COORD (M)

668148.79	4342100.72	0.03536	668370.10
4342100.72	0.04091		
668591.41	4342100.72	0.04742	668812.72
4342100.72	0.05477		
669034.03	4342100.72	0.06469	669255.34
4342100.72	0.07539		
669476.65	4342100.72	0.07163	669697.96
4342100.72	0.07642		
669919.27	4342100.72	0.08958	670140.58
4342100.72	0.09964		
670361.89	4342100.72	0.23339	670583.20
4342100.72	0.49007		
671468.44	4342100.72	3.56894	671689.75
4342100.72	1.45982		
671911.06	4342100.72	0.76383	672132.37
4342100.72	0.41170		
672353.68	4342100.72	0.24425	672574.99
4342100.72	0.21478		
668148.79	4342265.68	0.03508	668370.10
4342265.68	0.04041		
668591.41	4342265.68	0.04521	668812.72
4342265.68	0.05232		
669034.03	4342265.68	0.06126	669255.34
4342265.68	0.07375		
669476.65	4342265.68	0.08944	669697.96
4342265.68	0.10871		
669919.27	4342265.68	0.14135	670140.58
4342265.68	0.17948		
670361.89	4342265.68	0.27553	670583.20
4342265.68	0.44234		
670804.51	4342265.68	0.93388	671025.82
4342265.68	2.50585		
671247.13	4342265.68	4.59628	671468.44
4342265.68	2.26956		
671689.75	4342265.68	1.08844	671911.06
4342265.68	0.59486		
672132.37	4342265.68	0.38533	672353.68
4342265.68	0.25899		
672574.99	4342265.68	0.23445	668148.79
4342430.64	0.03331		
668370.10	4342430.64	0.03862	668591.41
4342430.64	0.04276		
668812.72	4342430.64	0.04883	669034.03
4342430.64	0.05674		
669255.34	4342430.64	0.06750	669476.65

4342430.64	0.08367		
669697.96	4342430.64	0.10290	669919.27
4342430.64	0.13219		
670140.58	4342430.64	0.17414	670361.89
4342430.64	0.24785		
670583.20	4342430.64	0.41162	670804.51
4342430.64	0.80237		
671025.82	4342430.64	1.59817	671247.13
4342430.64	1.97925		
671468.44	4342430.64	1.41177	671689.75
4342430.64	0.77464		
671911.06	4342430.64	0.46202	672132.37
4342430.64	0.32218		
672353.68	4342430.64	0.26765	672574.99
4342430.64	0.21700		
668148.79	4342595.60	0.03294	668370.10
4342595.60	0.03673		
668591.41	4342595.60	0.04155	668812.72
4342595.60	0.04760		
669034.03	4342595.60	0.05524	669255.34
4342595.60	0.06548		
669476.65	4342595.60	0.07751	669697.96
4342595.60	0.09803		
669919.27	4342595.60	0.12154	670140.58
4342595.60	0.16433		
670361.89	4342595.60	0.23293	670583.20
4342595.60	0.30639		
670804.51	4342595.60	0.61410	671025.82
4342595.60	1.03366		
671247.13	4342595.60	1.27293	671468.44
4342595.60	0.92231		
671689.75	4342595.60	0.54794	671911.06
4342595.60	0.34133		
672132.37	4342595.60	0.25402	672353.68
4342595.60	0.21866		

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 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 909

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP12 ***
 INCLUDING SOURCE(S): L0001020 , L0001021
 , L0001022 , L0001023 , L0001024 ,
 L0001025 , L0001026 , L0001027 , L0001028 , L0001029
 , L0001030 , L0001031 , L0001032 ,
 L0001033 , L0001034 , L0001035 , L0001036 , L0001037

, L0001038 , L0001039 , L0001040 ,
L0001041 , L0001042 , L0001043 , L0001044 , L0001045
, L0001046 , L0001047 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672574.99	4342595.60	0.19559	668148.79
4342760.56	0.03280		
668370.10	4342760.56	0.03693	668591.41
4342760.56	0.04102		
668812.72	4342760.56	0.04702	669034.03
4342760.56	0.05513		
669255.34	4342760.56	0.06479	669476.65
4342760.56	0.07559		
669697.96	4342760.56	0.09621	669919.27
4342760.56	0.11943		
670140.58	4342760.56	0.16476	670361.89
4342760.56	0.23070		
670583.20	4342760.56	0.29708	670804.51
4342760.56	0.47024		
671025.82	4342760.56	0.69449	671247.13
4342760.56	0.79786		
671468.44	4342760.56	0.66225	671689.75
4342760.56	0.44380		
671911.06	4342760.56	0.27395	672132.37
4342760.56	0.20424		
672353.68	4342760.56	0.18278	672574.99
4342760.56	0.14760		
668148.79	4342925.52	0.03213	668370.10
4342925.52	0.03597		
668591.41	4342925.52	0.04090	668812.72
4342925.52	0.04605		
669034.03	4342925.52	0.05302	669476.65
4342925.52	0.07336		
669697.96	4342925.52	0.09178	669919.27
4342925.52	0.12128		
670140.58	4342925.52	0.14930	670361.89
4342925.52	0.21303		
670583.20	4342925.52	0.32113	670804.51
4342925.52	0.40583		
671025.82	4342925.52	0.47719	671247.13
4342925.52	0.57061		

671468.44	4342925.52	0.48202	671689.75
4342925.52	0.35020		
671911.06	4342925.52	0.23285	672132.37
4342925.52	0.15939		
672353.68	4342925.52	0.14016	672574.99
4342925.52	0.12320		
668148.79	4343090.48	0.03058	668370.10
4343090.48	0.03427		
668591.41	4343090.48	0.03972	669476.65
4343090.48	0.06950		
669697.96	4343090.48	0.08499	669919.27
4343090.48	0.10624		
670140.58	4343090.48	0.15952	670361.89
4343090.48	0.17543		
670583.20	4343090.48	0.23445	670804.51
4343090.48	0.33545		
671025.82	4343090.48	0.36832	671247.13
4343090.48	0.42476		
671468.44	4343090.48	0.37285	671689.75
4343090.48	0.28140		
671911.06	4343090.48	0.19838	672132.37
4343090.48	0.14134		
672353.68	4343090.48	0.10238	672574.99
4343090.48	0.09028		
668148.79	4343255.44	0.02996	668370.10
4343255.44	0.03340		
668591.41	4343255.44	0.03784	669476.65
4343255.44	0.06778		
669697.96	4343255.44	0.08113	669919.27
4343255.44	0.09981		
670140.58	4343255.44	0.12443	670361.89
4343255.44	0.15707		
670583.20	4343255.44	0.20260	670804.51
4343255.44	0.26849		
671025.82	4343255.44	0.29608	671247.13
4343255.44	0.32643		
671468.44	4343255.44	0.30030	671689.75
4343255.44	0.23196		
671911.06	4343255.44	0.16923	672132.37
4343255.44	0.12487		
672353.68	4343255.44	0.09378	672574.99
4343255.44	0.07108		
668148.79	4343420.40	0.02989	668370.10
4343420.40	0.03293		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP12 ***

INCLUDING SOURCE(S): L0001020 , L0001021
, L0001022 , L0001023 , L0001024 ,
L0001025 , L0001026 , L0001027 , L0001028 , L0001029
, L0001030 , L0001031 , L0001032 ,
L0001033 , L0001034 , L0001035 , L0001036 , L0001037
, L0001038 , L0001039 , L0001040 ,
L0001041 , L0001042 , L0001043 , L0001044 , L0001045
, L0001046 , L0001047 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668591.41	4343420.40	0.03633	668812.72
4343420.40	0.04116		
669034.03	4343420.40	0.04658	669255.34
4343420.40	0.05350		
669476.65	4343420.40	0.06261	669697.96
4343420.40	0.07759		
669919.27	4343420.40	0.09322	670140.58
4343420.40	0.11196		
670361.89	4343420.40	0.13991	670583.20
4343420.40	0.17757		
670804.51	4343420.40	0.22794	671025.82
4343420.40	0.26240		
671247.13	4343420.40	0.27380	671468.44
4343420.40	0.24160		
671689.75	4343420.40	0.19670	671911.06
4343420.40	0.14730		
672132.37	4343420.40	0.10970	672353.68
4343420.40	0.08319		
672574.99	4343420.40	0.06454	668148.79
4343585.36	0.02987		
668370.10	4343585.36	0.03287	668591.41
4343585.36	0.03564		
668812.72	4343585.36	0.04049	669034.03
4343585.36	0.04621		
669255.34	4343585.36	0.05284	669476.65
4343585.36	0.06119		
669697.96	4343585.36	0.07093	669919.27

4343585.36	0.08482		
670140.58	4343585.36	0.10265	670361.89
4343585.36	0.12619		
670583.20	4343585.36	0.15756	670804.51
4343585.36	0.19448		
671025.82	4343585.36	0.22635	671247.13
4343585.36	0.22641		
671468.44	4343585.36	0.20712	671689.75
4343585.36	0.17559		
671911.06	4343585.36	0.13324	672132.37
4343585.36	0.10167		
672353.68	4343585.36	0.07680	672574.99
4343585.36	0.06023		
668148.79	4343750.32	0.02898	668370.10
4343750.32	0.03236		
668591.41	4343750.32	0.03567	668812.72
4343750.32	0.03960		
669034.03	4343750.32	0.04580	669255.34
4343750.32	0.05207		
669476.65	4343750.32	0.05898	669697.96
4343750.32	0.06806		
669919.27	4343750.32	0.07971	670140.58
4343750.32	0.09515		
670361.89	4343750.32	0.11582	670583.20
4343750.32	0.14016		
670804.51	4343750.32	0.16766	671025.82
4343750.32	0.19103		
671247.13	4343750.32	0.20034	671468.44
4343750.32	0.19127		
671689.75	4343750.32	0.17066	671911.06
4343750.32	0.13307		
672132.37	4343750.32	0.09968	672353.68
4343750.32	0.07331		
672574.99	4343750.32	0.05818	668148.79
4343915.28	0.02794		
668370.10	4343915.28	0.03134	668591.41
4343915.28	0.03508		
668812.72	4343915.28	0.03907	669034.03
4343915.28	0.04446		
669255.34	4343915.28	0.05058	669476.65
4343915.28	0.05727		
669697.96	4343915.28	0.06484	669919.27
4343915.28	0.07487		
670140.58	4343915.28	0.08852	670361.89
4343915.28	0.10537		
670583.20	4343915.28	0.12613	670804.51
4343915.28	0.14765		
671025.82	4343915.28	0.16526	671247.13
4343915.28	0.17140		
671468.44	4343915.28	0.16315	671689.75

4343915.28 0.14508
671911.06 4343915.28 0.11675 672132.37
4343915.28 0.09587
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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 911

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP12 ***
INCLUDING SOURCE(S): L0001020 , L0001021
, L0001022 , L0001023 , L0001024 ,
L0001025 , L0001026 , L0001027 , L0001028 , L0001029
, L0001030 , L0001031 , L0001032 ,
L0001033 , L0001034 , L0001035 , L0001036 , L0001037
, L0001038 , L0001039 , L0001040 ,
L0001041 , L0001042 , L0001043 , L0001044 , L0001045
, L0001046 , L0001047 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672353.68	4343915.28	0.07606	672574.99
4343915.28	0.05943		
668148.79	4344080.24	0.02740	668370.10
4344080.24	0.03032		
668591.41	4344080.24	0.03396	668812.72
4344080.24	0.03815		
669034.03	4344080.24	0.04309	669255.34
4344080.24	0.04878		
669476.65	4344080.24	0.05442	669697.96
4344080.24	0.06153		
669919.27	4344080.24	0.07066	670140.58
4344080.24	0.08322		
670361.89	4344080.24	0.09633	670583.20
4344080.24	0.11355		
670804.51	4344080.24	0.13122	671025.82
4344080.24	0.14298		
671247.13	4344080.24	0.14878	671468.44
4344080.24	0.14524		

671689.75	4344080.24	0.12276	671911.06
4344080.24	0.09856		
672132.37	4344080.24	0.07878	672353.68
4344080.24	0.06552		
672574.99	4344080.24	0.05264	671464.71
4342094.27	3.76304		
671482.23	4342063.91	3.92388	671498.58
4342030.05	4.08846		
671513.75	4341991.52	4.37351	671541.78
4341964.66	4.11363		
671575.64	4341974.00	3.20016	671460.75
4342162.97	2.98305		
671451.00	4342187.35	2.89227	671510.73
4342219.66	2.13099		
671524.14	4342192.84	2.13354	671522.92
4342250.74	1.91508		
671599.11	4342252.57	1.46681	671627.76
4342256.84	1.32967		
671583.88	4342116.03	1.92774	671595.46
4342071.54	2.04639		
671663.12	4342056.30	1.71562	671600.94
4342030.09	2.31260		
671526.58	4342155.65	2.25907	671628.98
4342292.19	1.24390		
671641.78	4341980.71	2.26185	671666.77
4342018.51	1.86037		
671407.11	4342219.66	3.20975	671415.64
4342183.08	3.50561		
671635.08	4341706.42	3.61082	671693.59
4341710.08	2.34478		
671719.80	4341736.29	2.09850	671673.48
4341630.23	2.37105		
671888.04	4341936.22	0.98168	671977.64
4341952.07	0.70390		
672039.21	4341894.77	0.56774	671858.17
4341753.96	1.17805		
671922.78	4341634.49	0.70640	671613.74
4341791.15	4.10470		
671853.29	4341730.80	1.16446	671783.81
4341585.73	1.17763		
671783.20	4341546.72	1.03776	671769.18
4341461.38	0.81193		
671800.87	4341420.54	0.62084	671880.11
4341427.25	0.41390		
672012.39	4341504.66	0.31786	672084.31
4341547.94	0.33283		
671915.47	4341478.45	0.42053	671903.28
4341564.40	0.60697		
671863.05	4341522.34	0.61177	671830.13
4341336.43	0.44072		

4341397.38	0.38956		
670978.40	4341324.15	0.28307	670932.85
4341394.21	0.36775		
670935.19	4341367.36	0.33936	671108.01
4340976.17	0.11567		
671286.67	4340978.51	0.11578	671675.37
4342488.78	0.70656		
671091.40	4342277.23	3.22041	671051.75
4342332.07	2.17585		
671051.75	4342369.20	1.97645	670953.04
4342360.76	1.41491		
670695.71	4342235.89	0.64162	670545.53
4342318.58	0.39203		
670711.74	4342488.16	0.50492	670648.30
4342501.73	0.39458		
670648.30	4342630.87	0.32040	670806.29
4342728.41	0.49003		
670688.15	4342739.41	0.33123	670804.92
4342427.55	0.80391		
670439.48	4342471.51	0.28534	670358.43
4342578.67	0.23285		
670546.64	4342662.47	0.30207	670537.03
4342595.15	0.29210		
670483.45	4342776.50	0.26135	670508.17
4342754.52	0.27301		
670517.79	4342868.54	0.27739	670545.27
4342850.69	0.28013		
670582.36	4342878.16	0.29960	670304.85
4342688.57	0.21789		
670039.70	4342661.10	0.14046	670156.48
4342673.46	0.16452		
670236.16	4342648.73	0.18611	670071.30
4342738.03	0.14400		
669990.24	4342753.14	0.12986	669928.42
4342742.15	0.12100		
669815.77	4342673.46	0.10940	669742.96
4342655.60	0.10264		
669791.04	4342744.90	0.10530	669696.25
4342731.16	0.09677		
669536.88	4342552.57	0.08230	671174.86
4342280.21	4.07827		
671068.38	4342169.93	5.80584	670965.71
4342179.44	4.91190		
670815.50	4342198.45	1.06724	670737.55
4342097.68	0.79788		
670762.27	4342069.16	0.89204	670817.40
4342040.64	1.14854		
670895.36	4342025.43	1.72824	670979.02
4341915.15	2.44499		
671115.92	4341863.81	6.15486	671199.58

4341770.65	10.34569			
671222.39	4341377.07	0.46044		671714.84
4341392.28	0.69750			
671366.89	4341998.81	16.58410		671226.19
4342236.48	5.52849			
669098.44	4343411.59	0.04834		668908.63
4343364.56	0.04366			
668851.52	4343359.52	0.04230		668831.37
4343371.27	0.04172			
668733.94	4343302.41	0.04030		668686.91
4343199.95	0.04041			
668671.79	4343089.09	0.04113		668806.17
4343001.74	0.04494			
668918.71	4343025.26	0.04810		669024.53
4342942.95	0.05232			
669288.24	4342916.08	0.06350		669333.59
4342922.80	0.06549			
669365.51	4342978.23	0.06589		669336.95
4343151.23	0.06124			
669303.36	4343304.09	0.05772		669222.73
4343235.22	0.05527			

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
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PAGE 913

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP12 ***
 INCLUDING SOURCE(S): L0001020 , L0001021
 , L0001022 , L0001023 , L0001024 ,
 L0001025 , L0001026 , L0001027 , L0001028 , L0001029
 , L0001030 , L0001031 , L0001032 ,
 L0001033 , L0001034 , L0001035 , L0001036 , L0001037
 , L0001038 , L0001039 , L0001040 ,
 L0001041 , L0001042 , L0001043 , L0001044 , L0001045
 , L0001046 , L0001047 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

- - - - -
 - - - - -

669135.39 4343305.77 0.05082

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*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 914

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP13 ***

INCLUDING SOURCE(S): L0000851 , L0000852
, L0000853 , L0000854 , L0000855 ,
L0000856 , L0000857 , L0000858 , L0000859 , L0000860
, L0000861 , L0000862 , L0000863 ,
L0000864 , L0000865 , L0000866 , L0000867 , L0000868
, L0000869 , L0000870 , L0000871 ,
L0000872 , L0000873 , L0000874 , L0000875 , L0000876
, L0000877 , L0000878 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4340781.04	0.06733	668370.10
4340781.04	0.06479		
668591.41	4340781.04	0.06615	668812.72
4340781.04	0.06990		
669034.03	4340781.04	0.07095	669255.34
4340781.04	0.07160		
669476.65	4340781.04	0.07523	669697.96
4340781.04	0.07555		
669919.27	4340781.04	0.07596	670140.58
4340781.04	0.07488		
670361.89	4340781.04	0.06675	670583.20
4340781.04	0.05278		
670804.51	4340781.04	0.04893	671025.82
4340781.04	0.04027		
671247.13	4340781.04	0.03051	671468.44
4340781.04	0.03116		
671689.75	4340781.04	0.02935	671911.06
4340781.04	0.02631		
672132.37	4340781.04	0.01972	672353.68

4340781.04	0.02538		
672574.99	4340781.04	0.03221	668148.79
4340946.00	0.07661		
668370.10	4340946.00	0.07525	668591.41
4340946.00	0.07569		
668812.72	4340946.00	0.07918	669034.03
4340946.00	0.07723		
669255.34	4340946.00	0.08012	669476.65
4340946.00	0.08434		
669697.96	4340946.00	0.08101	669919.27
4340946.00	0.09322		
670140.58	4340946.00	0.08927	670361.89
4340946.00	0.08279		
670583.20	4340946.00	0.07267	670804.51
4340946.00	0.05648		
671025.82	4340946.00	0.04446	671247.13
4340946.00	0.03216		
671468.44	4340946.00	0.02974	671689.75
4340946.00	0.03493		
671911.06	4340946.00	0.03470	672132.37
4340946.00	0.01969		
672353.68	4340946.00	0.02483	672574.99
4340946.00	0.03419		
668148.79	4341110.96	0.08293	668370.10
4341110.96	0.08631		
668591.41	4341110.96	0.08292	668812.72
4341110.96	0.08540		
669034.03	4341110.96	0.08684	669255.34
4341110.96	0.09279		
669476.65	4341110.96	0.09332	669697.96
4341110.96	0.09100		
669919.27	4341110.96	0.09514	670140.58
4341110.96	0.10962		
670361.89	4341110.96	0.10193	670583.20
4341110.96	0.07652		
670804.51	4341110.96	0.05553	671025.82
4341110.96	0.04345		
671247.13	4341110.96	0.03927	671468.44
4341110.96	0.03339		
671689.75	4341110.96	0.04722	671911.06
4341110.96	0.04153		
672132.37	4341110.96	0.02183	672353.68
4341110.96	0.02054		
672574.99	4341110.96	0.03336	668148.79
4341275.92	0.08893		
668370.10	4341275.92	0.09120	668591.41
4341275.92	0.08920		
668812.72	4341275.92	0.08878	669034.03
4341275.92	0.09380		
669255.34	4341275.92	0.09673	669476.65


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4341275.92      0.10391
      669697.96      4341275.92      0.10788      669919.27
4341275.92      0.11754
      670140.58      4341275.92      0.13831      670361.89
4341275.92      0.11857
      670583.20      4341275.92      0.07728      670804.51
4341275.92      0.06251
      671025.82      4341275.92      0.04998      671247.13
4341275.92      0.05280
      671468.44      4341275.92      0.06214      671689.75
4341275.92      0.06868
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PAGE 915

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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*** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP13 ***
      INCLUDING SOURCE(S):      L0000851      , L0000852
, L0000853      , L0000854      , L0000855      ,
      L0000856      , L0000857      , L0000858      , L0000859      , L0000860
, L0000861      , L0000862      , L0000863      ,
      L0000864      , L0000865      , L0000866      , L0000867      , L0000868
, L0000869      , L0000870      , L0000871      ,
      L0000872      , L0000873      , L0000874      , L0000875      , L0000876
, L0000877      , L0000878      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
671911.06	4341275.92	0.05615	672132.37
4341275.92	0.02592		
672353.68	4341275.92	0.01818	672574.99
4341275.92	0.03510		
668148.79	4341440.88	0.09748	668370.10
4341440.88	0.09780		
668591.41	4341440.88	0.09681	668812.72
4341440.88	0.09521		
669034.03	4341440.88	0.10504	669255.34
4341440.88	0.10842		

669476.65	4341440.88	0.11468	669697.96
4341440.88	0.11887		
669919.27	4341440.88	0.14818	670140.58
4341440.88	0.16204		
670361.89	4341440.88	0.14772	670583.20
4341440.88	0.10086		
670804.51	4341440.88	0.09243	671025.82
4341440.88	0.06883		
671689.75	4341440.88	0.10876	671911.06
4341440.88	0.06504		
672132.37	4341440.88	0.02833	672353.68
4341440.88	0.02455		
672574.99	4341440.88	0.05388	668148.79
4341605.84	0.10247		
668370.10	4341605.84	0.10073	668591.41
4341605.84	0.10257		
668812.72	4341605.84	0.10578	669034.03
4341605.84	0.11157		
669255.34	4341605.84	0.11897	669476.65
4341605.84	0.12847		
669697.96	4341605.84	0.13282	669919.27
4341605.84	0.17657		
670140.58	4341605.84	0.19537	670361.89
4341605.84	0.17945		
670583.20	4341605.84	0.15604	670804.51
4341605.84	0.16380		
671025.82	4341605.84	0.11883	671689.75
4341605.84	0.13321		
671911.06	4341605.84	0.08286	672132.37
4341605.84	0.04018		
672353.68	4341605.84	0.03171	672574.99
4341605.84	0.05979		
668148.79	4341770.80	0.11868	668370.10
4341770.80	0.11084		
668591.41	4341770.80	0.11841	668812.72
4341770.80	0.12059		
669034.03	4341770.80	0.12355	669255.34
4341770.80	0.13849		
669476.65	4341770.80	0.14158	669697.96
4341770.80	0.15493		
669919.27	4341770.80	0.18895	670140.58
4341770.80	0.21149		
670361.89	4341770.80	0.19769	670583.20
4341770.80	0.27094		
670804.51	4341770.80	0.33315	671025.82
4341770.80	0.31609		
671689.75	4341770.80	0.12213	671911.06
4341770.80	0.09600		
672132.37	4341770.80	0.03804	672353.68
4341770.80	0.02805		

672574.99	4341770.80	0.06550	668148.79
4341935.76	0.13405		
668370.10	4341935.76	0.13853	668591.41
4341935.76	0.13290		
668812.72	4341935.76	0.13129	669034.03
4341935.76	0.13682		
669255.34	4341935.76	0.15708	669476.65
4341935.76	0.15999		
669697.96	4341935.76	0.17717	669919.27
4341935.76	0.17388		
670140.58	4341935.76	0.19389	670361.89
4341935.76	0.23973		
670583.20	4341935.76	0.37839	670804.51
4341935.76	0.47518		
671468.44	4341935.76	0.18155	671689.75
4341935.76	0.11301		
671911.06	4341935.76	0.09017	672132.37
4341935.76	0.04331		
672353.68	4341935.76	0.03095	672574.99
4341935.76	0.05927		

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PAGE 916

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP13 ***
 INCLUDING SOURCE(S): L0000851 , L0000852
 , L0000853 , L0000854 , L0000855 ,
 L0000856 , L0000857 , L0000858 , L0000859 , L0000860
 , L0000861 , L0000862 , L0000863 ,
 L0000864 , L0000865 , L0000866 , L0000867 , L0000868
 , L0000869 , L0000870 , L0000871 ,
 L0000872 , L0000873 , L0000874 , L0000875 , L0000876
 , L0000877 , L0000878 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4342100.72	0.15713	668370.10

4342100.72	0.15442		
668591.41	4342100.72	0.14575	668812.72
4342100.72	0.14848		
669034.03	4342100.72	0.16848	669255.34
4342100.72	0.18362		
669476.65	4342100.72	0.18119	669697.96
4342100.72	0.19059		
669919.27	4342100.72	0.21470	670140.58
4342100.72	0.23899		
670361.89	4342100.72	0.29814	670583.20
4342100.72	0.42434		
671468.44	4342100.72	0.18566	671689.75
4342100.72	0.11517		
671911.06	4342100.72	0.09548	672132.37
4342100.72	0.05908		
672353.68	4342100.72	0.03988	672574.99
4342100.72	0.06087		
668148.79	4342265.68	0.18193	668370.10
4342265.68	0.17947		
668591.41	4342265.68	0.18678	668812.72
4342265.68	0.18822		
669034.03	4342265.68	0.19234	669255.34
4342265.68	0.19272		
669476.65	4342265.68	0.20676	669697.96
4342265.68	0.23940		
669919.27	4342265.68	0.25902	670140.58
4342265.68	0.29331		
670361.89	4342265.68	0.39041	670583.20
4342265.68	0.52429		
670804.51	4342265.68	0.90013	671025.82
4342265.68	2.78750		
671247.13	4342265.68	2.14951	671468.44
4342265.68	0.26865		
671689.75	4342265.68	0.14568	671911.06
4342265.68	0.09759		
672132.37	4342265.68	0.07946	672353.68
4342265.68	0.05700		
672574.99	4342265.68	0.08006	668148.79
4342430.64	0.19831		
668370.10	4342430.64	0.22370	668591.41
4342430.64	0.23777		
668812.72	4342430.64	0.25625	669034.03
4342430.64	0.27267		
669255.34	4342430.64	0.27253	669476.65
4342430.64	0.26404		
669697.96	4342430.64	0.28879	669919.27
4342430.64	0.32304		
670140.58	4342430.64	0.38155	670361.89
4342430.64	0.47399		
670583.20	4342430.64	0.65210	670804.51

4342430.64	1.23626		
671025.82	4342430.64	6.32980	671247.13
4342430.64	0.86771		
671468.44	4342430.64	0.26020	671689.75
4342430.64	0.14274		
671911.06	4342430.64	0.09864	672132.37
4342430.64	0.08390		
672353.68	4342430.64	0.09939	672574.99
4342430.64	0.08967		
668148.79	4342595.60	0.23642	668370.10
4342595.60	0.27060		
668591.41	4342595.60	0.30051	668812.72
4342595.60	0.31594		
669034.03	4342595.60	0.33785	669255.34
4342595.60	0.33303		
669476.65	4342595.60	0.35575	669697.96
4342595.60	0.35286		
669919.27	4342595.60	0.40438	670140.58
4342595.60	0.47674		
670361.89	4342595.60	0.58338	670583.20
4342595.60	0.71964		
670804.51	4342595.60	1.66211	671025.82
4342595.60	3.81628		
671247.13	4342595.60	0.75363	671468.44
4342595.60	0.21782		
671689.75	4342595.60	0.11707	671911.06
4342595.60	0.08079		
672132.37	4342595.60	0.07098	672353.68
4342595.60	0.09322		

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 *** AERMET - VERSION 14134 *** ***
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PAGE 917

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP13 ***
 INCLUDING SOURCE(S): L0000851 , L0000852
 , L0000853 , L0000854 , L0000855 ,
 L0000856 , L0000857 , L0000858 , L0000859 , L0000860
 , L0000861 , L0000862 , L0000863 ,
 L0000864 , L0000865 , L0000866 , L0000867 , L0000868
 , L0000869 , L0000870 , L0000871 ,
 L0000872 , L0000873 , L0000874 , L0000875 , L0000876
 , L0000877 , L0000878 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
-----	-----	-----	-----	-----
4342760.56	672574.99	4342595.60	0.08300	668148.79
4342760.56	668370.10	0.31523	0.35660	668591.41
4342760.56	668812.72	4342760.56	0.38755	669034.03
4342760.56	669255.34	0.36071	0.38572	669476.65
4342760.56	669697.96	4342760.56	0.40759	669919.27
4342760.56	670140.58	0.49272	0.56122	670361.89
4342760.56	670583.20	4342760.56	0.92114	670804.51
4342760.56	671025.82	0.75524	1.44238	671247.13
4342760.56	671468.44	4342760.56	0.19543	671689.75
4342760.56	671911.06	0.11381	0.07316	672132.37
4342760.56	672353.68	4342760.56	0.08073	672574.99
4342760.56	668148.79	0.07488	0.43516	668370.10
4342925.52	668591.41	4342925.52	0.47341	668812.72
4342925.52	669034.03	0.51995	0.54274	669476.65
4342925.52	669697.96	4342925.52	0.61065	669919.27
4342925.52	670140.58	0.56850	0.58100	670361.89
4342925.52	670583.20	4342925.52	3.47054	670804.51
4342925.52	671025.82	0.81101	0.62347	671247.13
4342925.52	671468.44	2.45050	0.16348	671689.75
4342925.52	671911.06	0.10207	0.06925	672132.37
4342925.52	672353.68	4342925.52	0.05258	672574.99
4342925.52	0.05105	0.05949		

668148.79	4343090.48	0.54329	668370.10
4343090.48	0.75732		
668591.41	4343090.48	0.66307	669476.65
4343090.48	1.00817		
669697.96	4343090.48	1.08924	669919.27
4343090.48	1.15770		
670140.58	4343090.48	1.01106	670361.89
4343090.48	3.00495		
670583.20	4343090.48	2.51592	670804.51
4343090.48	1.08355		
671025.82	4343090.48	0.41674	671247.13
4343090.48	0.25362		
671468.44	4343090.48	0.14262	671689.75
4343090.48	0.09050		
671911.06	4343090.48	0.06350	672132.37
4343090.48	0.04831		
672353.68	4343090.48	0.03728	672574.99
4343090.48	0.03635		
668148.79	4343255.44	0.97483	668370.10
4343255.44	2.31130		
668591.41	4343255.44	1.33852	669476.65
4343255.44	1.87438		
669697.96	4343255.44	4.65659	669919.27
4343255.44	4.60677		
670140.58	4343255.44	4.76855	670361.89
4343255.44	2.67120		
670583.20	4343255.44	1.26255	670804.51
4343255.44	0.75098		
671025.82	4343255.44	0.30842	671247.13
4343255.44	0.19623		
671468.44	4343255.44	0.12640	671689.75
4343255.44	0.08036		
671911.06	4343255.44	0.05672	672132.37
4343255.44	0.04439		
672353.68	4343255.44	0.03574	672574.99
4343255.44	0.02837		
668148.79	4343420.40	0.64455	668370.10
4343420.40	2.48517		

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 918

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP13 ***
 INCLUDING SOURCE(S): L0000851 , L0000852
 , L0000853 , L0000854 , L0000855 ,

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, L0000861      L0000856      , L0000857      , L0000858      , L0000859      , L0000860
, L0000862      , L0000863      ,
      L0000864      , L0000865      , L0000866      , L0000867      , L0000868
, L0000869      , L0000870      , L0000871      ,
      L0000872      , L0000873      , L0000874      , L0000875      , L0000876
, L0000877      , L0000878      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
- - - - -	- - - - -	- - - - -	- - - - -
668591.41	4343420.40	5.99428	668812.72
4343420.40	5.80000		
669034.03	4343420.40	5.17848	669255.34
4343420.40	2.67791		
669476.65	4343420.40	3.44229	669697.96
4343420.40	1.85472		
669919.27	4343420.40	1.92929	670140.58
4343420.40	1.46442		
670361.89	4343420.40	1.10101	670583.20
4343420.40	0.78630		
670804.51	4343420.40	0.51920	671025.82
4343420.40	0.28726		
671247.13	4343420.40	0.18029	671468.44
4343420.40	0.10685		
671689.75	4343420.40	0.07291	671911.06
4343420.40	0.05175		
672132.37	4343420.40	0.03978	672353.68
4343420.40	0.03214		
672574.99	4343420.40	0.02644	668148.79
4343585.36	0.34578		
668370.10	4343585.36	0.70733	668591.41
4343585.36	1.32894		
668812.72	4343585.36	1.26431	669034.03
4343585.36	1.32526		
669255.34	4343585.36	1.13697	669476.65
4343585.36	1.14694		
669697.96	4343585.36	1.02954	669919.27
4343585.36	0.93343		
670140.58	4343585.36	0.82230	670361.89
4343585.36	0.68297		
670583.20	4343585.36	0.55107	670804.51
4343585.36	0.43388		
671025.82	4343585.36	0.30301	671247.13

4343585.36	0.15232		
671468.44	4343585.36	0.10034	671689.75
4343585.36	0.07167		
671911.06	4343585.36	0.04956	672132.37
4343585.36	0.03803		
672353.68	4343585.36	0.03005	672574.99
4343585.36	0.02511		
668148.79	4343750.32	0.33863	668370.10
4343750.32	0.42764		
668591.41	4343750.32	0.59224	668812.72
4343750.32	0.71268		
669034.03	4343750.32	0.63078	669255.34
4343750.32	0.64792		
669476.65	4343750.32	0.66177	669697.96
4343750.32	0.65046		
669919.27	4343750.32	0.61362	670140.58
4343750.32	0.55115		
670361.89	4343750.32	0.48379	670583.20
4343750.32	0.41077		
670804.51	4343750.32	0.33995	671025.82
4343750.32	0.27604		
671247.13	4343750.32	0.18201	671468.44
4343750.32	0.14429		
671689.75	4343750.32	0.11176	671911.06
4343750.32	0.06070		
672132.37	4343750.32	0.03994	672353.68
4343750.32	0.02925		
672574.99	4343750.32	0.02461	668148.79
4343915.28	0.32852		
668370.10	4343915.28	0.35672	668591.41
4343915.28	0.39061		
668812.72	4343915.28	0.45052	669034.03
4343915.28	0.44924		
669255.34	4343915.28	0.44634	669476.65
4343915.28	0.44862		
669697.96	4343915.28	0.44690	669919.27
4343915.28	0.43959		
670140.58	4343915.28	0.39996	670361.89
4343915.28	0.36312		
670583.20	4343915.28	0.31785	670804.51
4343915.28	0.27187		
671025.82	4343915.28	0.22286	671247.13
4343915.28	0.18957		
671468.44	4343915.28	0.12263	671689.75
4343915.28	0.07704		
671911.06	4343915.28	0.05393	672132.37
4343915.28	0.04258		

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 *** AERMET - VERSION 14134 ***

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PAGE 919

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP13 ***

INCLUDING SOURCE(S): L0000851 , L0000852
, L0000853 , L0000854 , L0000855 ,
L0000856 , L0000857 , L0000858 , L0000859 , L0000860
, L0000861 , L0000862 , L0000863 ,
L0000864 , L0000865 , L0000866 , L0000867 , L0000868
, L0000869 , L0000870 , L0000871 ,
L0000872 , L0000873 , L0000874 , L0000875 , L0000876
, L0000877 , L0000878 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672353.68	4343915.28	0.03267	672574.99
4343915.28	0.02599		
668148.79	4344080.24	0.26059	668370.10
4344080.24	0.30785		
668591.41	4344080.24	0.32387	668812.72
4344080.24	0.33622		
669034.03	4344080.24	0.34110	669255.34
4344080.24	0.33618		
669476.65	4344080.24	0.34388	669697.96
4344080.24	0.33755		
669919.27	4344080.24	0.32323	670140.58
4344080.24	0.29413		
670361.89	4344080.24	0.28506	670583.20
4344080.24	0.25428		
670804.51	4344080.24	0.21555	671025.82
4344080.24	0.14940		
671247.13	4344080.24	0.15651	671468.44
4344080.24	0.12190		
671689.75	4344080.24	0.06199	671911.06
4344080.24	0.04211		
672132.37	4344080.24	0.03218	672353.68
4344080.24	0.02707		
672574.99	4344080.24	0.02237	671464.71
4342094.27	0.18844		

671482.23	4342063.91	0.17406	671498.58
4342030.05	0.15963		
671513.75	4341991.52	0.14985	671541.78
4341964.66	0.13707		
671575.64	4341974.00	0.12101	671460.75
4342162.97	0.21315		
671451.00	4342187.35	0.23327	671510.73
4342219.66	0.20535		
671524.14	4342192.84	0.18355	671522.92
4342250.74	0.21157		
671599.11	4342252.57	0.17075	671627.76
4342256.84	0.16167		
671583.88	4342116.03	0.12685	671595.46
4342071.54	0.11403		
671663.12	4342056.30	0.10766	671600.94
4342030.09	0.11196		
671526.58	4342155.65	0.16417	671628.98
4342292.19	0.16925		
671641.78	4341980.71	0.10742	671666.77
4342018.51	0.10537		
671407.11	4342219.66	0.31497	671415.64
4342183.08	0.27967		
671635.08	4341706.42	0.13785	671693.59
4341710.08	0.13123		
671719.80	4341736.29	0.13123	671673.48
4341630.23	0.13617		
671888.04	4341936.22	0.10042	671977.64
4341952.07	0.07111		
672039.21	4341894.77	0.05286	671858.17
4341753.96	0.11674		
671922.78	4341634.49	0.08251	671613.74
4341791.15	0.13279		
671853.29	4341730.80	0.11465	671783.81
4341585.73	0.11596		
671783.20	4341546.72	0.11038	671769.18
4341461.38	0.10223		
671800.87	4341420.54	0.09196	671880.11
4341427.25	0.07188		
672012.39	4341504.66	0.03954	672084.31
4341547.94	0.03902		
671915.47	4341478.45	0.06627	671903.28
4341564.40	0.07988		
671863.05	4341522.34	0.08832	671830.13
4341336.43	0.07923		
671835.62	4341287.66	0.07508	671825.87
4341275.47	0.07478		
672136.73	4341370.56	0.02559	671920.34
4341307.17	0.05176		
671695.42	4341257.19	0.06524	671682.01
4341176.12	0.04895		

671991.66	4341196.23	0.04493	672022.14
4341231.59	0.04122		
671992.27	4341177.95	0.03979	671540.60
4341238.29	0.04176		
671575.34	4341177.95	0.03512	671454.65
4341196.23	0.04133		

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 920

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP13 ***
 INCLUDING SOURCE(S): L0000851 , L0000852
 , L0000853 , L0000854 , L0000855 ,
 L0000856 , L0000857 , L0000858 , L0000859 , L0000860
 , L0000861 , L0000862 , L0000863 ,
 L0000864 , L0000865 , L0000866 , L0000867 , L0000868
 , L0000869 , L0000870 , L0000871 ,
 L0000872 , L0000873 , L0000874 , L0000875 , L0000876
 , L0000877 , L0000878 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

671523.53	4341116.38	0.03271	671413.20
4341126.74	0.03890		
671471.11	4341064.57	0.03210	671601.55
4341050.55	0.03726		
671198.64	4341253.53	0.04633	671278.49
4341212.08	0.04653		
671230.34	4341132.84	0.03923	671073.08
4341271.82	0.04783		
671122.45	4341373.61	0.06068	671118.79
4341397.38	0.06515		
670978.40	4341324.15	0.05606	670932.85
4341394.21	0.06789		
670935.19	4341367.36	0.06466	671108.01
4340976.17	0.03850		
671286.67	4340978.51	0.03256	671675.37

4342488.78	0.13697		
671091.40	4342277.23	5.26418	671051.75
4342332.07	3.48342		
671051.75	4342369.20	4.60894	670953.04
4342360.76	1.98555		
670695.71	4342235.89	0.63495	670545.53
4342318.58	0.53353		
670711.74	4342488.16	0.95262	670648.30
4342501.73	0.78343		
670648.30	4342630.87	0.66445	670806.29
4342728.41	2.70202		
670688.15	4342739.41	0.80953	670804.92
4342427.55	1.22656		
670439.48	4342471.51	0.56261	670358.43
4342578.67	0.57125		
670546.64	4342662.47	0.81334	670537.03
4342595.15	0.69526		
670483.45	4342776.50	0.89384	670508.17
4342754.52	0.90239		
670517.79	4342868.54	1.15060	670545.27
4342850.69	1.09055		
670582.36	4342878.16	1.47019	670304.85
4342688.57	0.60622		
670039.70	4342661.10	0.48116	670156.48
4342673.46	0.54531		
670236.16	4342648.73	0.54326	670071.30
4342738.03	0.55838		
669990.24	4342753.14	0.51791	669928.42
4342742.15	0.48771		
669815.77	4342673.46	0.40851	669742.96
4342655.60	0.37690		
669791.04	4342744.90	0.43231	669696.25
4342731.16	0.39377		
669536.88	4342552.57	0.34182	671174.86
4342280.21	5.04097		
671068.38	4342169.93	5.33086	670965.71
4342179.44	2.09792		
670815.50	4342198.45	0.83735	670737.55
4342097.68	0.55735		
670762.27	4342069.16	0.56349	670817.40
4342040.64	0.61479		
670895.36	4342025.43	0.74715	670979.02
4341915.15	0.56853		
671115.92	4341863.81	0.48079	671199.58
4341770.65	0.32201		
671222.39	4341377.07	0.07136	671714.84
4341392.28	0.09636		
671366.89	4341998.81	0.41492	671226.19
4342236.48	2.55919		
669098.44	4343411.59	4.45782	668908.63

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP14 ***

INCLUDING SOURCE(S): PAREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4340781.04	0.03141	668370.10
4340781.04	0.03714		
668591.41	4340781.04	0.04372	668812.72
4340781.04	0.05156		
669034.03	4340781.04	0.06179	669255.34
4340781.04	0.07464		
669476.65	4340781.04	0.09039	669697.96
4340781.04	0.11083		
669919.27	4340781.04	0.14131	670140.58
4340781.04	0.16246		
670361.89	4340781.04	0.17696	670583.20
4340781.04	0.15144		
670804.51	4340781.04	0.12051	671025.82
4340781.04	0.07136		
671247.13	4340781.04	0.06638	671468.44
4340781.04	0.07698		
671689.75	4340781.04	0.09226	671911.06
4340781.04	0.08388		
672132.37	4340781.04	0.06321	672353.68
4340781.04	0.05833		
672574.99	4340781.04	0.05488	668148.79
4340946.00	0.02752		
668370.10	4340946.00	0.03302	668591.41
4340946.00	0.03938		
668812.72	4340946.00	0.04710	669034.03
4340946.00	0.05788		
669255.34	4340946.00	0.07107	669476.65
4340946.00	0.08785		
669697.96	4340946.00	0.11281	669919.27
4340946.00	0.13019		
670140.58	4340946.00	0.18067	670361.89
4340946.00	0.21476		

670583.20	4340946.00	0.23756	670804.51
4340946.00	0.19126		
671025.82	4340946.00	0.10607	671247.13
4340946.00	0.08012		
671468.44	4340946.00	0.09477	671689.75
4340946.00	0.13316		
671911.06	4340946.00	0.13421	672132.37
4340946.00	0.06723		
672353.68	4340946.00	0.06613	672574.99
4340946.00	0.07737		
668148.79	4341110.96	0.02430	668370.10
4341110.96	0.02842		
668591.41	4341110.96	0.03453	668812.72
4341110.96	0.04167		
669034.03	4341110.96	0.05127	669255.34
4341110.96	0.06333		
669476.65	4341110.96	0.08102	669697.96
4341110.96	0.10598		
669919.27	4341110.96	0.13939	670140.58
4341110.96	0.16374		
670361.89	4341110.96	0.20120	670583.20
4341110.96	0.24384		
670804.51	4341110.96	0.24794	671025.82
4341110.96	0.16577		
671247.13	4341110.96	0.12301	671468.44
4341110.96	0.14733		
671689.75	4341110.96	0.22492	671911.06
4341110.96	0.18052		
672132.37	4341110.96	0.09294	672353.68
4341110.96	0.08749		
672574.99	4341110.96	0.11105	668148.79
4341275.92	0.02196		
668370.10	4341275.92	0.02549	668591.41
4341275.92	0.03031		
668812.72	4341275.92	0.03648	669034.03
4341275.92	0.04446		
669255.34	4341275.92	0.05520	669476.65
4341275.92	0.07002		
669697.96	4341275.92	0.09183	669919.27
4341275.92	0.11297		
670140.58	4341275.92	0.11680	670361.89
4341275.92	0.15755		
670583.20	4341275.92	0.20309	670804.51
4341275.92	0.30069		
671025.82	4341275.92	0.32022	671247.13
4341275.92	0.26369		
671468.44	4341275.92	0.41610	671689.75
4341275.92	0.44120		

▲ *** AERMOD - VERSION 19191 ***

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PAGE 923

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP14 ***
INCLUDING SOURCE(S): PAREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
671911.06	4341275.92	0.26808	672132.37
4341275.92	0.16432		
672353.68	4341275.92	0.12541	672574.99
4341275.92	0.14188		
668148.79	4341440.88	0.02051	668370.10
4341440.88	0.02369		
668591.41	4341440.88	0.02763	668812.72
4341440.88	0.03277		
669034.03	4341440.88	0.03914	669255.34
4341440.88	0.04759		
669476.65	4341440.88	0.05956	669697.96
4341440.88	0.07687		
669919.27	4341440.88	0.06881	670140.58
4341440.88	0.07485		
670361.89	4341440.88	0.10629	670583.20
4341440.88	0.15012		
670804.51	4341440.88	0.31131	671025.82
4341440.88	0.52338		
671689.75	4341440.88	1.23299	671911.06
4341440.88	0.55511		
672132.37	4341440.88	0.28125	672353.68
4341440.88	0.20314		
672574.99	4341440.88	0.19547	668148.79
4341605.84	0.02037		
668370.10	4341605.84	0.02321	668591.41
4341605.84	0.02667		
668812.72	4341605.84	0.03100	669034.03
4341605.84	0.03649		
669255.34	4341605.84	0.04373	669476.65
4341605.84	0.05363		

669697.96	4341605.84	0.06067	669919.27
4341605.84	0.05335		
670140.58	4341605.84	0.05960	670361.89
4341605.84	0.06827		
670583.20	4341605.84	0.09873	670804.51
4341605.84	0.23742		
671025.82	4341605.84	0.51623	671689.75
4341605.84	3.17078		
671911.06	4341605.84	0.97666	672132.37
4341605.84	0.44708		
672353.68	4341605.84	0.27207	672574.99
4341605.84	0.22079		
668148.79	4341770.80	0.01992	668370.10
4341770.80	0.02300		
668591.41	4341770.80	0.02598	668812.72
4341770.80	0.03013		
669034.03	4341770.80	0.03542	669255.34
4341770.80	0.04212		
669476.65	4341770.80	0.04940	669697.96
4341770.80	0.05398		
669919.27	4341770.80	0.05073	670140.58
4341770.80	0.05458		
670361.89	4341770.80	0.05812	670583.20
4341770.80	0.09886		
670804.51	4341770.80	0.25881	671025.82
4341770.80	0.69425		
671689.75	4341770.80	2.62389	671911.06
4341770.80	0.99493		
672132.37	4341770.80	0.41657	672353.68
4341770.80	0.24090		
672574.99	4341770.80	0.21573	668148.79
4341935.76	0.01915		
668370.10	4341935.76	0.02199	668591.41
4341935.76	0.02543		
668812.72	4341935.76	0.02948	669034.03
4341935.76	0.03443		
669255.34	4341935.76	0.03930	669476.65
4341935.76	0.04191		
669697.96	4341935.76	0.03498	669919.27
4341935.76	0.03343		
670140.58	4341935.76	0.04103	670361.89
4341935.76	0.05933		
670583.20	4341935.76	0.13777	670804.51
4341935.76	0.46835		
671468.44	4341935.76	5.27079	671689.75
4341935.76	1.54943		
671911.06	4341935.76	0.72433	672132.37
4341935.76	0.34551		
672353.68	4341935.76	0.20448	672574.99
4341935.76	0.19639		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 924

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP14 ***
 INCLUDING SOURCE(S): PAREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4342100.72	0.01878	668370.10
4342100.72	0.02164		
668591.41	4342100.72	0.02486	668812.72
4342100.72	0.02853		
669034.03	4342100.72	0.03336	669255.34
4342100.72	0.03662		
669476.65	4342100.72	0.03730	669697.96
4342100.72	0.03968		
669919.27	4342100.72	0.04875	670140.58
4342100.72	0.05574		
670361.89	4342100.72	0.14321	670583.20
4342100.72	0.26007		
671468.44	4342100.72	2.21221	671689.75
4342100.72	0.98975		
671911.06	4342100.72	0.52867	672132.37
4342100.72	0.30114		
672353.68	4342100.72	0.18746	672574.99
4342100.72	0.17676		
668148.79	4342265.68	0.01834	668370.10
4342265.68	0.02114		
668591.41	4342265.68	0.02372	668812.72
4342265.68	0.02768		
669034.03	4342265.68	0.03289	669255.34
4342265.68	0.04047		
669476.65	4342265.68	0.05066	669697.96
4342265.68	0.06309		
669919.27	4342265.68	0.08462	670140.58
4342265.68	0.11232		

670361.89	4342265.68	0.17024	670583.20
4342265.68	0.26225		
670804.51	4342265.68	0.45682	671025.82
4342265.68	0.72369		
671247.13	4342265.68	1.41039	671468.44
4342265.68	1.37057		
671689.75	4342265.68	0.75255	671911.06
4342265.68	0.40180		
672132.37	4342265.68	0.26505	672353.68
4342265.68	0.18221		
672574.99	4342265.68	0.15706	668148.79
4342430.64	0.01753		
668370.10	4342430.64	0.02075	668591.41
4342430.64	0.02333		
668812.72	4342430.64	0.02734	669034.03
4342430.64	0.03284		
669255.34	4342430.64	0.04071	669476.65
4342430.64	0.05295		
669697.96	4342430.64	0.06749	669919.27
4342430.64	0.08870		
670140.58	4342430.64	0.11802	670361.89
4342430.64	0.16750		
670583.20	4342430.64	0.24981	670804.51
4342430.64	0.41169		
671025.82	4342430.64	0.61316	671247.13
4342430.64	0.84085		
671468.44	4342430.64	0.87210	671689.75
4342430.64	0.55461		
671911.06	4342430.64	0.32010	672132.37
4342430.64	0.22000		
672353.68	4342430.64	0.18052	672574.99
4342430.64	0.14208		
668148.79	4342595.60	0.01836	668370.10
4342595.60	0.02102		
668591.41	4342595.60	0.02459	668812.72
4342595.60	0.02925		
669034.03	4342595.60	0.03524	669255.34
4342595.60	0.04336		
669476.65	4342595.60	0.05283	669697.96
4342595.60	0.06871		
669919.27	4342595.60	0.08672	670140.58
4342595.60	0.11869		
670361.89	4342595.60	0.16680	670583.20
4342595.60	0.19012		
670804.51	4342595.60	0.29475	671025.82
4342595.60	0.47182		
671247.13	4342595.60	0.62990	671468.44
4342595.60	0.58686		
671689.75	4342595.60	0.40103	671911.06
4342595.60	0.24730		

672132.37 4342595.60 0.17666 672353.68
 4342595.60 0.15338
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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 925

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP14 ***

INCLUDING SOURCE(S): PAREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672574.99	4342595.60	0.12514	668148.79
4342760.56	0.01988		
668370.10	4342760.56	0.02317	668591.41
4342760.56	0.02653		
668812.72	4342760.56	0.03147	669034.03
4342760.56	0.03802		
669255.34	4342760.56	0.04568	669476.65
4342760.56	0.05429		
669697.96	4342760.56	0.07020	669919.27
4342760.56	0.08943		
670140.58	4342760.56	0.11054	670361.89
4342760.56	0.15595		
670583.20	4342760.56	0.17050	670804.51
4342760.56	0.24078		
671025.82	4342760.56	0.34960	671247.13
4342760.56	0.43895		
671468.44	4342760.56	0.43047	671689.75
4342760.56	0.32618		
671911.06	4342760.56	0.20244	672132.37
4342760.56	0.14579		
672353.68	4342760.56	0.12874	672574.99
4342760.56	0.10435		
668148.79	4342925.52	0.02104	668370.10
4342925.52	0.02425		
668591.41	4342925.52	0.02833	668812.72
4342925.52	0.03253		

669034.03	4342925.52	0.03812	669476.65
4342925.52	0.05494		
669697.96	4342925.52	0.07003	669919.27
4342925.52	0.08418		
670140.58	4342925.52	0.10572	670361.89
4342925.52	0.13710		
670583.20	4342925.52	0.18358	670804.51
4342925.52	0.22681		
671025.82	4342925.52	0.25993	671247.13
4342925.52	0.33743		
671468.44	4342925.52	0.31996	671689.75
4342925.52	0.25896		
671911.06	4342925.52	0.17388	672132.37
4342925.52	0.11719		
672353.68	4342925.52	0.09823	672574.99
4342925.52	0.08900		
668148.79	4343090.48	0.02106	668370.10
4343090.48	0.02411		
668591.41	4343090.48	0.02855	669476.65
4343090.48	0.05455		
669697.96	4343090.48	0.06874	669919.27
4343090.48	0.08751		
670140.58	4343090.48	0.11529	670361.89
4343090.48	0.13477		
670583.20	4343090.48	0.16135	670804.51
4343090.48	0.20050		
671025.82	4343090.48	0.21267	671247.13
4343090.48	0.26456		
671468.44	4343090.48	0.25183	671689.75
4343090.48	0.20882		
671911.06	4343090.48	0.14943	672132.37
4343090.48	0.10530		
672353.68	4343090.48	0.07490	672574.99
4343090.48	0.06443		
668148.79	4343255.44	0.02141	668370.10
4343255.44	0.02418		
668591.41	4343255.44	0.02781	669476.65
4343255.44	0.05550		
669697.96	4343255.44	0.06824	669919.27
4343255.44	0.08484		
670140.58	4343255.44	0.10276	670361.89
4343255.44	0.11950		
670583.20	4343255.44	0.14039	670804.51
4343255.44	0.17376		
671025.82	4343255.44	0.17897	671247.13
4343255.44	0.21095		
671468.44	4343255.44	0.20580	671689.75
4343255.44	0.17205		
671911.06	4343255.44	0.12943	672132.37
4343255.44	0.09359		

672353.68	4343255.44	0.06914	672574.99
4343255.44	0.05184		
668148.79	4343420.40	0.02191	668370.10
4343420.40	0.02440		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 926

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP14 ***
 INCLUDING SOURCE(S): PAREA2 ,

*** *** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3
 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

668591.41	4343420.40	0.02741	668812.72
4343420.40	0.03195		
669034.03	4343420.40	0.03738	669255.34
4343420.40	0.04439		
669476.65	4343420.40	0.05350	669697.96
4343420.40	0.06722		
669919.27	4343420.40	0.08055	670140.58
4343420.40	0.09225		
670361.89	4343420.40	0.10533	670583.20
4343420.40	0.12386		
670804.51	4343420.40	0.15082	671025.82
4343420.40	0.16457		
671247.13	4343420.40	0.18396	671468.44
4343420.40	0.16803		
671689.75	4343420.40	0.14570	671911.06
4343420.40	0.11379		
672132.37	4343420.40	0.08278	672353.68
4343420.40	0.06199		
672574.99	4343420.40	0.04762	668148.79
4343585.36	0.02230		
668370.10	4343585.36	0.02502	668591.41
4343585.36	0.02790		
668812.72	4343585.36	0.03272	669034.03
4343585.36	0.03852		

669255.34	4343585.36	0.04534	669476.65
4343585.36	0.05386		
669697.96	4343585.36	0.06325	669919.27
4343585.36	0.07366		
670140.58	4343585.36	0.08300	670361.89
4343585.36	0.09411		
670583.20	4343585.36	0.11047	670804.51
4343585.36	0.13176		
671025.82	4343585.36	0.15503	671247.13
4343585.36	0.15612		
671468.44	4343585.36	0.14570	671689.75
4343585.36	0.13038		
671911.06	4343585.36	0.10369	672132.37
4343585.36	0.07700		
672353.68	4343585.36	0.05772	672574.99
4343585.36	0.04456		
668148.79	4343750.32	0.02220	668370.10
4343750.32	0.02542		
668591.41	4343750.32	0.02895	668812.72
4343750.32	0.03317		
669034.03	4343750.32	0.03917	669255.34
4343750.32	0.04577		
669476.65	4343750.32	0.05311	669697.96
4343750.32	0.06103		
669919.27	4343750.32	0.06816	670140.58
4343750.32	0.07536		
670361.89	4343750.32	0.08558	670583.20
4343750.32	0.09890		
670804.51	4343750.32	0.11579	671025.82
4343750.32	0.13405		
671247.13	4343750.32	0.14594	671468.44
4343750.32	0.13755		
671689.75	4343750.32	0.12907	671911.06
4343750.32	0.10327		
672132.37	4343750.32	0.07508	672353.68
4343750.32	0.05533		
672574.99	4343750.32	0.04310	668148.79
4343915.28	0.02216		
668370.10	4343915.28	0.02555	668591.41
4343915.28	0.02934		
668812.72	4343915.28	0.03359	669034.03
4343915.28	0.03901		
669255.34	4343915.28	0.04536	669476.65
4343915.28	0.05202		
669697.96	4343915.28	0.05767	669919.27
4343915.28	0.06264		
670140.58	4343915.28	0.06895	670361.89
4343915.28	0.07775		
670583.20	4343915.28	0.08925	670804.51
4343915.28	0.10300		

671025.82	4343915.28	0.11726	671247.13
4343915.28	0.12426		
671468.44	4343915.28	0.11796	671689.75
4343915.28	0.10875		
671911.06	4343915.28	0.09116	672132.37
4343915.28	0.07228		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 927

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP14 ***
 INCLUDING SOURCE(S): PAREA2 ,

*** *** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

672353.68	4343915.28	0.05683	672574.99
4343915.28	0.04435		
668148.79	4344080.24	0.02249	668370.10
4344080.24	0.02557		
668591.41	4344080.24	0.02927	668812.72
4344080.24	0.03356		
669034.03	4344080.24	0.03868	669255.34
4344080.24	0.04442		
669476.65	4344080.24	0.04957	669697.96
4344080.24	0.05374		
669919.27	4344080.24	0.05775	670140.58
4344080.24	0.06377		
670361.89	4344080.24	0.07105	670583.20
4344080.24	0.08073		
670804.51	4344080.24	0.09217	671025.82
4344080.24	0.10174		
671247.13	4344080.24	0.10836	671468.44
4344080.24	0.10489		
671689.75	4344080.24	0.09201	671911.06
4344080.24	0.07670		
672132.37	4344080.24	0.06197	672353.68
4344080.24	0.04908		

672574.99	4344080.24	0.03968	671464.71
4342094.27	2.31121		
671482.23	4342063.91	2.49611	671498.58
4342030.05	2.68988		
671513.75	4341991.52	2.96779	671541.78
4341964.66	2.86361		
671575.64	4341974.00	2.22932	671460.75
4342162.97	1.81271		
671451.00	4342187.35	1.71647	671510.73
4342219.66	1.38641		
671524.14	4342192.84	1.41726	671522.92
4342250.74	1.25591		
671599.11	4342252.57	1.01148	671627.76
4342256.84	0.92164		
671583.88	4342116.03	1.32653	671595.46
4342071.54	1.40345		
671663.12	4342056.30	1.16973	671600.94
4342030.09	1.58625		
671526.58	4342155.65	1.51554	671628.98
4342292.19	0.86340		
671641.78	4341980.71	1.58449	671666.77
4342018.51	1.28079		
671407.11	4342219.66	1.68231	671415.64
4342183.08	1.87568		
671635.08	4341706.42	4.54819	671693.59
4341710.08	3.06621		
671719.80	4341736.29	2.54133	671673.48
4341630.23	3.67756		
671888.04	4341936.22	0.78435	671977.64
4341952.07	0.56439		
672039.21	4341894.77	0.49066	671858.17
4341753.96	1.30790		
671922.78	4341634.49	0.96302	671613.74
4341791.15	3.94739		
671853.29	4341730.80	1.36378	671783.81
4341585.73	1.73363		
671783.20	4341546.72	1.52096	671769.18
4341461.38	1.04481		
671800.87	4341420.54	0.74672	671880.11
4341427.25	0.57842		
672012.39	4341504.66	0.46487	672084.31
4341547.94	0.44954		
671915.47	4341478.45	0.63914	671903.28
4341564.40	0.91780		
671863.05	4341522.34	0.95975	671830.13
4341336.43	0.46061		
671835.62	4341287.66	0.38661	671825.87
4341275.47	0.38685		
672136.73	4341370.56	0.21792	671920.34
4341307.17	0.28660		

671695.42	4341257.19	0.39993	671682.01
4341176.12	0.27060		
671991.66	4341196.23	0.17984	672022.14
4341231.59	0.18621		
671992.27	4341177.95	0.16265	671540.60
4341238.29	0.27635		
671575.34	4341177.95	0.20499	671454.65
4341196.23	0.21515		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 928

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP14 ***
 INCLUDING SOURCE(S): PAREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
671523.53	4341116.38	0.15959	671413.20
4341126.74	0.15783		
671471.11	4341064.57	0.12864	671601.55
4341050.55	0.16642		
671198.64	4341253.53	0.22522	671278.49
4341212.08	0.18584		
671230.34	4341132.84	0.12675	671073.08
4341271.82	0.29781		
671122.45	4341373.61	0.51467	671118.79
4341397.38	0.58279		
670978.40	4341324.15	0.37883	670932.85
4341394.21	0.41023		
670935.19	4341367.36	0.40192	671108.01
4340976.17	0.09050		
671286.67	4340978.51	0.08801	671675.37
4342488.78	0.51019		
671091.40	4342277.23	0.88001	671051.75
4342332.07	0.69082		
671051.75	4342369.20	0.66854	670953.04
4342360.76	0.52363		

670695.71	4342235.89	0.34681	670545.53
4342318.58	0.24179		
670711.74	4342488.16	0.28683	670648.30
4342501.73	0.23798		
670648.30	4342630.87	0.18556	670806.29
4342728.41	0.24674		
670688.15	4342739.41	0.17600	670804.92
4342427.55	0.41400		
670439.48	4342471.51	0.19378	670358.43
4342578.67	0.16645		
670546.64	4342662.47	0.18798	670537.03
4342595.15	0.18609		
670483.45	4342776.50	0.16311	670508.17
4342754.52	0.16845		
670517.79	4342868.54	0.16163	670545.27
4342850.69	0.16003		
670582.36	4342878.16	0.16481	670304.85
4342688.57	0.14777		
670039.70	4342661.10	0.10327	670156.48
4342673.46	0.12179		
670236.16	4342648.73	0.13669	670071.30
4342738.03	0.10820		
669990.24	4342753.14	0.09757	669928.42
4342742.15	0.09028		
669815.77	4342673.46	0.07911	669742.96
4342655.60	0.07333		
669791.04	4342744.90	0.07736	669696.25
4342731.16	0.07009		
669536.88	4342552.57	0.05554	671174.86
4342280.21	1.14592		
671068.38	4342169.93	1.11614	670965.71
4342179.44	0.79158		
670815.50	4342198.45	0.48533	670737.55
4342097.68	0.38598		
670762.27	4342069.16	0.41457	670817.40
4342040.64	0.49536		
670895.36	4342025.43	0.66245	670979.02
4341915.15	0.96907		
671115.92	4341863.81	2.52344	671199.58
4341770.65	7.15367		
671222.39	4341377.07	0.62748	671714.84
4341392.28	0.82681		
671366.89	4341998.81	5.27342	671226.19
4342236.48	1.47428		
669098.44	4343411.59	0.03910	668908.63
4343364.56	0.03389		
668851.52	4343359.52	0.03252	668831.37
4343371.27	0.03207		
668733.94	4343302.41	0.03019	668686.91
4343199.95	0.02966		

668671.79	4343089.09	0.02968	668806.17
4343001.74	0.03222		
668918.71	4343025.26	0.03492	669024.53
4342942.95	0.03770		
669288.24	4342916.08	0.04650	669333.59
4342922.80	0.04823		
669365.51	4342978.23	0.04936	669336.95
4343151.23	0.04790		
669303.36	4343304.09	0.04683	669222.73
4343235.22	0.04349		

*** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 929

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP14 ***
 INCLUDING SOURCE(S): PAREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
669135.39	4343305.77	0.04021	

*** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 930

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP15 ***
 INCLUDING SOURCE(S): PAREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4340781.04	0.00884	668370.10
4340781.04	0.00706		
668591.41	4340781.04	0.00752	668812.72
4340781.04	0.00856		
669034.03	4340781.04	0.00866	669255.34
4340781.04	0.00890		
669476.65	4340781.04	0.00882	669697.96
4340781.04	0.00832		
669919.27	4340781.04	0.00722	670140.58
4340781.04	0.00645		
670361.89	4340781.04	0.00594	670583.20
4340781.04	0.00518		
670804.51	4340781.04	0.00432	671025.82
4340781.04	0.00388		
671247.13	4340781.04	0.00375	671468.44
4340781.04	0.00370		
671689.75	4340781.04	0.00366	671911.06
4340781.04	0.00363		
672132.37	4340781.04	0.00364	672353.68
4340781.04	0.00378		
672574.99	4340781.04	0.00398	668148.79
4340946.00	0.01409		
668370.10	4340946.00	0.01035	668591.41
4340946.00	0.01005		
668812.72	4340946.00	0.01115	669034.03
4340946.00	0.00956		
669255.34	4340946.00	0.01019	669476.65
4340946.00	0.01000		
669697.96	4340946.00	0.00906	669919.27
4340946.00	0.00785		
670140.58	4340946.00	0.00712	670361.89
4340946.00	0.00637		
670583.20	4340946.00	0.00536	670804.51
4340946.00	0.00452		
671025.82	4340946.00	0.00423	671247.13
4340946.00	0.00411		
671468.44	4340946.00	0.00404	671689.75
4340946.00	0.00402		
671911.06	4340946.00	0.00406	672132.37
4340946.00	0.00410		
672353.68	4340946.00	0.00430	672574.99
4340946.00	0.00446		
668148.79	4341110.96	0.01725	668370.10
4341110.96	0.01537		

668591.41	4341110.96	0.01124	668812.72
4341110.96	0.01210		
669034.03	4341110.96	0.01120	669255.34
4341110.96	0.01236		
669476.65	4341110.96	0.01130	669697.96
4341110.96	0.01008		
669919.27	4341110.96	0.00892	670140.58
4341110.96	0.00776		
670361.89	4341110.96	0.00670	670583.20
4341110.96	0.00550		
670804.51	4341110.96	0.00488	671025.82
4341110.96	0.00466		
671247.13	4341110.96	0.00455	671468.44
4341110.96	0.00447		
671689.75	4341110.96	0.00455	671911.06
4341110.96	0.00468		
672132.37	4341110.96	0.00470	672353.68
4341110.96	0.00474		
672574.99	4341110.96	0.00477	668148.79
4341275.92	0.01998		
668370.10	4341275.92	0.01643	668591.41
4341275.92	0.01167		
668812.72	4341275.92	0.01185	669034.03
4341275.92	0.01139		
669255.34	4341275.92	0.01313	669476.65
4341275.92	0.01295		
669697.96	4341275.92	0.01158	669919.27
4341275.92	0.00978		
670140.58	4341275.92	0.00839	670361.89
4341275.92	0.00700		
670583.20	4341275.92	0.00584	670804.51
4341275.92	0.00542		
671025.82	4341275.92	0.00520	671247.13
4341275.92	0.00511		
671468.44	4341275.92	0.00516	671689.75
4341275.92	0.00534		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 931

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP15 ***
 INCLUDING SOURCE(S): PAREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC	CONC	X-COORD (M)
671911.06	4341275.92	0.00548	672132.37
4341275.92	0.00529		
672353.68	4341275.92	0.00503	672574.99
4341275.92	0.00503		
668148.79	4341440.88	0.02736	668370.10
4341440.88	0.01829		
668591.41	4341440.88	0.01280	668812.72
4341440.88	0.01264		
669034.03	4341440.88	0.01349	669255.34
4341440.88	0.01581		
669476.65	4341440.88	0.01500	669697.96
4341440.88	0.01312		
669919.27	4341440.88	0.01088	670140.58
4341440.88	0.00910		
670361.89	4341440.88	0.00742	670583.20
4341440.88	0.00648		
670804.51	4341440.88	0.00614	671025.82
4341440.88	0.00593		
671689.75	4341440.88	0.00638	671911.06
4341440.88	0.00619		
672132.37	4341440.88	0.00573	672353.68
4341440.88	0.00550		
672574.99	4341440.88	0.00554	668148.79
4341605.84	0.02785		
668370.10	4341605.84	0.01721	668591.41
4341605.84	0.01364		
668812.72	4341605.84	0.01510	669034.03
4341605.84	0.01722		
669255.34	4341605.84	0.01880	669476.65
4341605.84	0.01763		
669697.96	4341605.84	0.01507	669919.27
4341605.84	0.01218		
670140.58	4341605.84	0.00994	670361.89
4341605.84	0.00815		
670583.20	4341605.84	0.00743	670804.51
4341605.84	0.00713		
671025.82	4341605.84	0.00703	671689.75
4341605.84	0.00729		
671911.06	4341605.84	0.00682	672132.37
4341605.84	0.00638		
672353.68	4341605.84	0.00617	672574.99
4341605.84	0.00612		

668148.79	4341770.80	0.05359	668370.10
4341770.80	0.02288		
668591.41	4341770.80	0.02045	668812.72
4341770.80	0.01960		
669034.03	4341770.80	0.02125	669255.34
4341770.80	0.02211		
669476.65	4341770.80	0.02082	669697.96
4341770.80	0.01720		
669919.27	4341770.80	0.01373	670140.58
4341770.80	0.01095		
670361.89	4341770.80	0.00936	670583.20
4341770.80	0.00879		
670804.51	4341770.80	0.00870	671025.82
4341770.80	0.00882		
671689.75	4341770.80	0.00796	671911.06
4341770.80	0.00757		
672132.37	4341770.80	0.00710	672353.68
4341770.80	0.00678		
672574.99	4341770.80	0.00664	668148.79
4341935.76	0.09133		
668370.10	4341935.76	0.05753	668591.41
4341935.76	0.02846		
668812.72	4341935.76	0.02293	669034.03
4341935.76	0.02543		
669255.34	4341935.76	0.02708	669476.65
4341935.76	0.02507		
669697.96	4341935.76	0.01991	669919.27
4341935.76	0.01550		
670140.58	4341935.76	0.01253	670361.89
4341935.76	0.01132		
670583.20	4341935.76	0.01099	670804.51
4341935.76	0.01134		
671468.44	4341935.76	0.00951	671689.75
4341935.76	0.00894		
671911.06	4341935.76	0.00848	672132.37
4341935.76	0.00786		
672353.68	4341935.76	0.00729	672574.99
4341935.76	0.00700		

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 932

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP15 ***
 INCLUDING SOURCE(S): PAREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4342100.72	0.12669	668370.10
4342100.72	0.06950		
668591.41	4342100.72	0.03675	668812.72
4342100.72	0.03005		
669034.03	4342100.72	0.03265	669255.34
4342100.72	0.03553		
669476.65	4342100.72	0.03157	669697.96
4342100.72	0.02406		
669919.27	4342100.72	0.01850	670140.58
4342100.72	0.01551		
670361.89	4342100.72	0.01481	670583.20
4342100.72	0.01503		
671468.44	4342100.72	0.01077	671689.75
4342100.72	0.01002		
671911.06	4342100.72	0.00929	672132.37
4342100.72	0.00849		
672353.68	4342100.72	0.00779	672574.99
4342100.72	0.00739		
668148.79	4342265.68	0.17257	668370.10
4342265.68	0.10654		
668591.41	4342265.68	0.09604	668812.72
4342265.68	0.05985		
669034.03	4342265.68	0.05491	669255.34
4342265.68	0.05260		
669476.65	4342265.68	0.04366	669697.96
4342265.68	0.03078		
669919.27	4342265.68	0.02399	670140.58
4342265.68	0.02132		
670361.89	4342265.68	0.02081	670583.20
4342265.68	0.01958		
670804.51	4342265.68	0.01754	671025.82
4342265.68	0.01524		
671247.13	4342265.68	0.01373	671468.44
4342265.68	0.01218		
671689.75	4342265.68	0.01099	671911.06
4342265.68	0.00997		
672132.37	4342265.68	0.00915	672353.68
4342265.68	0.00845		
672574.99	4342265.68	0.00798	668148.79
4342430.64	0.21305		

668370.10	4342430.64	0.23797	668591.41
4342430.64	0.22284		
668812.72	4342430.64	0.18495	669034.03
4342430.64	0.13636		
669255.34	4342430.64	0.09534	669476.65
4342430.64	0.06445		
669697.96	4342430.64	0.04457	669919.27
4342430.64	0.03557		
670140.58	4342430.64	0.03240	670361.89
4342430.64	0.02869		
670583.20	4342430.64	0.02385	670804.51
4342430.64	0.02060		
671025.82	4342430.64	0.01778	671247.13
4342430.64	0.01520		
671468.44	4342430.64	0.01337	671689.75
4342430.64	0.01194		
671911.06	4342430.64	0.01080	672132.37
4342430.64	0.00990		
672353.68	4342430.64	0.00919	672574.99
4342430.64	0.00858		
668148.79	4342595.60	0.26600	668370.10
4342595.60	0.33376		
668591.41	4342595.60	0.36378	668812.72
4342595.60	0.34469		
669034.03	4342595.60	0.25380	669255.34
4342595.60	0.15752		
669476.65	4342595.60	0.10781	669697.96
4342595.60	0.06887		
669919.27	4342595.60	0.05749	670140.58
4342595.60	0.04564		
670361.89	4342595.60	0.03608	670583.20
4342595.60	0.02838		
670804.51	4342595.60	0.02371	671025.82
4342595.60	0.02006		
671247.13	4342595.60	0.01703	671468.44
4342595.60	0.01469		
671689.75	4342595.60	0.01297	671911.06
4342595.60	0.01163		
672132.37	4342595.60	0.01055	672353.68
4342595.60	0.00968		

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 933

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP15 ***

INCLUDING SOURCE(S): PAREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672574.99	4342595.60	0.00893	668148.79
4342760.56	0.32126		
668370.10	4342760.56	0.48075	668591.41
4342760.56	0.60966		
668812.72	4342760.56	0.67162	669034.03
4342760.56	0.43692		
669255.34	4342760.56	0.28167	669476.65
4342760.56	0.19752		
669697.96	4342760.56	0.11289	669919.27
4342760.56	0.08275		
670140.58	4342760.56	0.05772	670361.89
4342760.56	0.04338		
670583.20	4342760.56	0.03323	670804.51
4342760.56	0.02674		
671025.82	4342760.56	0.02199	671247.13
4342760.56	0.01838		
671468.44	4342760.56	0.01572	671689.75
4342760.56	0.01368		
671911.06	4342760.56	0.01205	672132.37
4342760.56	0.01080		
672353.68	4342760.56	0.00984	672574.99
4342760.56	0.00900		
668148.79	4342925.52	0.32452	668370.10
4342925.52	0.57475		
668591.41	4342925.52	0.86003	668812.72
4342925.52	1.29226		
669034.03	4342925.52	1.72280	669476.65
4342925.52	0.46235		
669697.96	4342925.52	0.18426	669919.27
4342925.52	0.10598		
670140.58	4342925.52	0.06905	670361.89
4342925.52	0.04891		
670583.20	4342925.52	0.03698	670804.51
4342925.52	0.02865		
671025.82	4342925.52	0.02271	671247.13
4342925.52	0.01884		
671468.44	4342925.52	0.01585	671689.75
4342925.52	0.01367		

671911.06	4342925.52	0.01196	672132.37
4342925.52	0.01062		
672353.68	4342925.52	0.00968	672574.99
4342925.52	0.00891		
668148.79	4343090.48	0.29253	668370.10
4343090.48	0.56792		
668591.41	4343090.48	1.18209	669476.65
4343090.48	0.69767		
669697.96	4343090.48	0.23376	669919.27
4343090.48	0.11812		
670140.58	4343090.48	0.07146	670361.89
4343090.48	0.05051		
670583.20	4343090.48	0.03774	670804.51
4343090.48	0.02810		
671025.82	4343090.48	0.02178	671247.13
4343090.48	0.01803		
671468.44	4343090.48	0.01513	671689.75
4343090.48	0.01301		
671911.06	4343090.48	0.01139	672132.37
4343090.48	0.01014		
672353.68	4343090.48	0.00910	672574.99
4343090.48	0.00839		
668148.79	4343255.44	0.23639	668370.10
4343255.44	0.47422		
668591.41	4343255.44	1.82384	669476.65
4343255.44	0.51565		
669697.96	4343255.44	0.18609	669919.27
4343255.44	0.09716		
670140.58	4343255.44	0.06191	670361.89
4343255.44	0.04468		
670583.20	4343255.44	0.03413	670804.51
4343255.44	0.02562		
671025.82	4343255.44	0.01943	671247.13
4343255.44	0.01613		
671468.44	4343255.44	0.01367	671689.75
4343255.44	0.01173		
671911.06	4343255.44	0.01028	672132.37
4343255.44	0.00916		
672353.68	4343255.44	0.00826	672574.99
4343255.44	0.00748		
668148.79	4343420.40	0.20500	668370.10
4343420.40	0.47018		

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*** AERMET - VERSION 14134 *** ***
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*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP15 ***
 INCLUDING SOURCE(S): PAREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

668591.41	4343420.40	1.70870	668812.72
4343420.40	5.21609		
669034.03	4343420.40	6.91293	669255.34
4343420.40	2.68300		
669476.65	4343420.40	0.49365	669697.96
4343420.40	0.13615		
669919.27	4343420.40	0.07584	670140.58
4343420.40	0.05227		
670361.89	4343420.40	0.03688	670583.20
4343420.40	0.02793		
670804.51	4343420.40	0.02110	671025.82
4343420.40	0.01687		
671247.13	4343420.40	0.01419	671468.44
4343420.40	0.01205		
671689.75	4343420.40	0.01050	671911.06
4343420.40	0.00925		
672132.37	4343420.40	0.00827	672353.68
4343420.40	0.00746		
672574.99	4343420.40	0.00678	668148.79
4343585.36	0.15928		
668370.10	4343585.36	0.37391	668591.41
4343585.36	1.24557		
668812.72	4343585.36	2.39073	669034.03
4343585.36	2.45980		
669255.34	4343585.36	1.25114	669476.65
4343585.36	0.36635		
669697.96	4343585.36	0.13890	669919.27
4343585.36	0.07317		
670140.58	4343585.36	0.04627	670361.89
4343585.36	0.03192		
670583.20	4343585.36	0.02323	670804.51
4343585.36	0.01773		
671025.82	4343585.36	0.01438	671247.13
4343585.36	0.01193		
671468.44	4343585.36	0.01052	671689.75
4343585.36	0.00942		

671911.06	4343585.36	0.00846	672132.37
4343585.36	0.00769		
672353.68	4343585.36	0.00701	672574.99
4343585.36	0.00644		
668148.79	4343750.32	0.20218	668370.10
4343750.32	0.35047		
668591.41	4343750.32	0.82193	668812.72
4343750.32	1.41954		
669034.03	4343750.32	1.28501	669255.34
4343750.32	0.74353		
669476.65	4343750.32	0.29834	669697.96
4343750.32	0.12276		
669919.27	4343750.32	0.06583	670140.58
4343750.32	0.04242		
670361.89	4343750.32	0.02880	670583.20
4343750.32	0.02158		
670804.51	4343750.32	0.01646	671025.82
4343750.32	0.01282		
671247.13	4343750.32	0.01015	671468.44
4343750.32	0.00899		
671689.75	4343750.32	0.00815	671911.06
4343750.32	0.00740		
672132.37	4343750.32	0.00683	672353.68
4343750.32	0.00634		
672574.99	4343750.32	0.00596	668148.79
4343915.28	0.24459		
668370.10	4343915.28	0.35855	668591.41
4343915.28	0.61637		
668812.72	4343915.28	0.91071	669034.03
4343915.28	0.85300		
669255.34	4343915.28	0.51778	669476.65
4343915.28	0.23847		
669697.96	4343915.28	0.11183	669919.27
4343915.28	0.06059		
670140.58	4343915.28	0.03878	670361.89
4343915.28	0.02779		
670583.20	4343915.28	0.02051	670804.51
4343915.28	0.01554		
671025.82	4343915.28	0.01154	671247.13
4343915.28	0.01000		
671468.44	4343915.28	0.00775	671689.75
4343915.28	0.00678		
671911.06	4343915.28	0.00613	672132.37
4343915.28	0.00575		

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*** AERMET - VERSION 14134 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP15 ***

INCLUDING SOURCE(S): PAREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672353.68	4343915.28	0.00545	672574.99
4343915.28	0.00519		
668148.79	4344080.24	0.22724	668370.10
4344080.24	0.33907		
668591.41	4344080.24	0.50242	668812.72
4344080.24	0.65171		
669034.03	4344080.24	0.60559	669255.34
4344080.24	0.38965		
669476.65	4344080.24	0.20684	669697.96
4344080.24	0.10205		
669919.27	4344080.24	0.05552	670140.58
4344080.24	0.03444		
670361.89	4344080.24	0.02641	670583.20
4344080.24	0.01986		
670804.51	4344080.24	0.01472	671025.82
4344080.24	0.01080		
671247.13	4344080.24	0.00941	671468.44
4344080.24	0.00777		
671689.75	4344080.24	0.00594	671911.06
4344080.24	0.00518		
672132.37	4344080.24	0.00479	672353.68
4344080.24	0.00455		
672574.99	4344080.24	0.00435	671464.71
4342094.27	0.01074		
671482.23	4342063.91	0.01043	671498.58
4342030.05	0.01009		
671513.75	4341991.52	0.00975	671541.78
4341964.66	0.00947		
671575.64	4341974.00	0.00942	671460.75
4342162.97	0.01133		
671451.00	4342187.35	0.01159	671510.73
4342219.66	0.01157		
671524.14	4342192.84	0.01129	671522.92
4342250.74	0.01174		

671599.11	4342252.57	0.01136	671627.76
4342256.84	0.01124		
671583.88	4342116.03	0.01042	671595.46
4342071.54	0.01005		
671663.12	4342056.30	0.00979	671600.94
4342030.09	0.00975		
671526.58	4342155.65	0.01097	671628.98
4342292.19	0.01145		
671641.78	4341980.71	0.00932	671666.77
4342018.51	0.00952		
671407.11	4342219.66	0.01213	671415.64
4342183.08	0.01175		
671635.08	4341706.42	0.00778	671693.59
4341710.08	0.00770		
671719.80	4341736.29	0.00778	671673.48
4341630.23	0.00740		
671888.04	4341936.22	0.00854	671977.64
4341952.07	0.00839		
672039.21	4341894.77	0.00792	671858.17
4341753.96	0.00762		
671922.78	4341634.49	0.00690	671613.74
4341791.15	0.00822		
671853.29	4341730.80	0.00751	671783.81
4341585.73	0.00703		
671783.20	4341546.72	0.00686	671769.18
4341461.38	0.00647		
671800.87	4341420.54	0.00624	671880.11
4341427.25	0.00618		
672012.39	4341504.66	0.00614	672084.31
4341547.94	0.00620		
671915.47	4341478.45	0.00632	671903.28
4341564.40	0.00667		
671863.05	4341522.34	0.00660	671830.13
4341336.43	0.00580		
671835.62	4341287.66	0.00555	671825.87
4341275.47	0.00548		
672136.73	4341370.56	0.00551	671920.34
4341307.17	0.00561		
671695.42	4341257.19	0.00524	671682.01
4341176.12	0.00481		
671991.66	4341196.23	0.00513	672022.14
4341231.59	0.00527		
671992.27	4341177.95	0.00503	671540.60
4341238.29	0.00497		
671575.34	4341177.95	0.00472	671454.65
4341196.23	0.00478		

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 *** AERMET - VERSION 14134 ***

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 10/04/21

 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP15 ***

INCLUDING SOURCE(S): PAREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

671523.53	4341116.38	0.00449	671413.20
4341126.74	0.00454		
671471.11	4341064.57	0.00434	671601.55
4341050.55	0.00431		
671198.64	4341253.53	0.00503	671278.49
4341212.08	0.00486		
671230.34	4341132.84	0.00461	671073.08
4341271.82	0.00516		
671122.45	4341373.61	0.00556	671118.79
4341397.38	0.00568		
670978.40	4341324.15	0.00543	670932.85
4341394.21	0.00577		
670935.19	4341367.36	0.00565	671108.01
4340976.17	0.00425		
671286.67	4340978.51	0.00417	671675.37
4342488.78	0.01239		
671091.40	4342277.23	0.01495	671051.75
4342332.07	0.01597		
671051.75	4342369.20	0.01653	670953.04
4342360.76	0.01735		
670695.71	4342235.89	0.01763	670545.53
4342318.58	0.02141		
670711.74	4342488.16	0.02302	670648.30
4342501.73	0.02440		
670648.30	4342630.87	0.02753	670806.29
4342728.41	0.02615		
670688.15	4342739.41	0.02914	670804.92
4342427.55	0.02054		
670439.48	4342471.51	0.02850	670358.43
4342578.67	0.03545		
670546.64	4342662.47	0.03167	670537.03
4342595.15	0.02967		

670483.45	4342776.50	0.03779	670508.17
4342754.52	0.03603		
670517.79	4342868.54	0.03872	670545.27
4342850.69	0.03699		
670582.36	4342878.16	0.03598	670304.85
4342688.57	0.04286		
670039.70	4342661.10	0.05804	670156.48
4342673.46	0.05074		
670236.16	4342648.73	0.04432	670071.30
4342738.03	0.06272		
669990.24	4342753.14	0.07291	669928.42
4342742.15	0.07888		
669815.77	4342673.46	0.07594	669742.96
4342655.60	0.07664		
669791.04	4342744.90	0.09518	669696.25
4342731.16	0.10243		
669536.88	4342552.57	0.08456	671174.86
4342280.21	0.01442		
671068.38	4342169.93	0.01378	670965.71
4342179.44	0.01459		
670815.50	4342198.45	0.01619	670737.55
4342097.68	0.01468		
670762.27	4342069.16	0.01402	670817.40
4342040.64	0.01332		
670895.36	4342025.43	0.01283	670979.02
4341915.15	0.01099		
671115.92	4341863.81	0.01013	671199.58
4341770.65	0.00904		
671222.39	4341377.07	0.00558	671714.84
4341392.28	0.00608		
671366.89	4341998.81	0.01047	671226.19
4342236.48	0.01357		
669098.44	4343411.59	6.66719	668908.63
4343364.56	10.37004		
668851.52	4343359.52	9.66211	668831.37
4343371.27	8.02328		
668733.94	4343302.41	11.02958	668686.91
4343199.95	7.47454		
668671.79	4343089.09	2.72940	668806.17
4343001.74	2.75310		
668918.71	4343025.26	3.17925	669024.53
4342942.95	2.26940		
669288.24	4342916.08	1.31368	669333.59
4342922.80	1.11017		
669365.51	4342978.23	1.70572	669336.95
4343151.23	4.34700		
669303.36	4343304.09	4.19453	669222.73
4343235.22	14.05551		

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 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 937

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP15 ***
INCLUDING SOURCE(S): PAREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
669135.39	4343305.77	14.69041	

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*** 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 938

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP16 ***
INCLUDING SOURCE(S): PAREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4340781.04	0.17166	668370.10
4340781.04	0.20436		
668591.41	4340781.04	0.24169	668812.72
4340781.04	0.28584		
669034.03	4340781.04	0.34487	669255.34
4340781.04	0.41818		

669476.65	4340781.04	0.50101	669697.96
4340781.04	0.60326		
669919.27	4340781.04	0.76297	670140.58
4340781.04	0.87585		
670361.89	4340781.04	0.85187	670583.20
4340781.04	0.58121		
670804.51	4340781.04	0.40046	671025.82
4340781.04	0.22682		
671247.13	4340781.04	0.15887	671468.44
4340781.04	0.15147		
671689.75	4340781.04	0.12667	671911.06
4340781.04	0.08873		
672132.37	4340781.04	0.05221	672353.68
4340781.04	0.06319		
672574.99	4340781.04	0.05395	668148.79
4340946.00	0.15513		
668370.10	4340946.00	0.18567	668591.41
4340946.00	0.22055		
668812.72	4340946.00	0.26259	669034.03
4340946.00	0.32469		
669255.34	4340946.00	0.39861	669476.65
4340946.00	0.48876		
669697.96	4340946.00	0.61704	669919.27
4340946.00	0.81198		
670140.58	4340946.00	1.01176	670361.89
4340946.00	1.14368		
670583.20	4340946.00	1.08516	670804.51
4340946.00	0.63406		
671025.82	4340946.00	0.31615	671247.13
4340946.00	0.17837		
671468.44	4340946.00	0.15245	671689.75
4340946.00	0.15665		
671911.06	4340946.00	0.13876	672132.37
4340946.00	0.05337		
672353.68	4340946.00	0.05257	672574.99
4340946.00	0.06065		
668148.79	4341110.96	0.14568	668370.10
4341110.96	0.16818		
668591.41	4341110.96	0.20357	668812.72
4341110.96	0.24312		
669034.03	4341110.96	0.29723	669255.34
4341110.96	0.36238		
669476.65	4341110.96	0.46224	669697.96
4341110.96	0.59686		
669919.27	4341110.96	0.76970	670140.58
4341110.96	1.03195		
670361.89	4341110.96	1.22344	670583.20
4341110.96	1.13050		
670804.51	4341110.96	0.83540	671025.82
4341110.96	0.43240		

671247.13	4341110.96	0.26788	671468.44
4341110.96	0.19803		
671689.75	4341110.96	0.24553	671911.06
4341110.96	0.16754		
672132.37	4341110.96	0.06129	672353.68
4341110.96	0.05239		
672574.99	4341110.96	0.07574	668148.79
4341275.92	0.13995		
668370.10	4341275.92	0.16130	668591.41
4341275.92	0.19110		
668812.72	4341275.92	0.22918	669034.03
4341275.92	0.27895		
669255.34	4341275.92	0.34114	669476.65
4341275.92	0.42564		
669697.96	4341275.92	0.55132	669919.27
4341275.92	0.71387		
670140.58	4341275.92	0.80482	670361.89
4341275.92	0.97417		
670583.20	4341275.92	0.97058	670804.51
4341275.92	1.09822		
671025.82	4341275.92	0.80518	671247.13
4341275.92	0.59920		
671468.44	4341275.92	0.61491	671689.75
4341275.92	0.42820		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 939

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP16 ***
 INCLUDING SOURCE(S): PAREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
671911.06	4341275.92	0.22020	672132.37
4341275.92	0.08704		
672353.68	4341275.92	0.06288	672574.99
4341275.92	0.08924		

668148.79	4341440.88	0.13480	668370.10
4341440.88	0.15602		
668591.41	4341440.88	0.18239	668812.72
4341440.88	0.21779		
669034.03	4341440.88	0.26060	669255.34
4341440.88	0.31392		
669476.65	4341440.88	0.39219	669697.96
4341440.88	0.50688		
669919.27	4341440.88	0.58428	670140.58
4341440.88	0.60601		
670361.89	4341440.88	0.73675	670583.20
4341440.88	0.85236		
670804.51	4341440.88	1.44841	671025.82
4341440.88	1.46092		
671689.75	4341440.88	0.79521	671911.06
4341440.88	0.30322		
672132.37	4341440.88	0.13015	672353.68
4341440.88	0.10105		
672574.99	4341440.88	0.11012	668148.79
4341605.84	0.13642		
668370.10	4341605.84	0.15617	668591.41
4341605.84	0.18017		
668812.72	4341605.84	0.21035	669034.03
4341605.84	0.24845		
669255.34	4341605.84	0.29930	669476.65
4341605.84	0.37066		
669697.96	4341605.84	0.47281	669919.27
4341605.84	0.47621		
670140.58	4341605.84	0.54713	670361.89
4341605.84	0.54575		
670583.20	4341605.84	0.75998	670804.51
4341605.84	1.75046		
671025.82	4341605.84	2.50496	671689.75
4341605.84	1.39455		
671911.06	4341605.84	0.47658	672132.37
4341605.84	0.21784		
672353.68	4341605.84	0.13906	672574.99
4341605.84	0.12479		
668148.79	4341770.80	0.13463	668370.10
4341770.80	0.15790		
668591.41	4341770.80	0.17842	668812.72
4341770.80	0.20889		
669034.03	4341770.80	0.24891	669255.34
4341770.80	0.30118		
669476.65	4341770.80	0.36965	669697.96
4341770.80	0.40126		
669919.27	4341770.80	0.41397	670140.58
4341770.80	0.43533		
670361.89	4341770.80	0.42268	670583.20
4341770.80	0.88318		

670804.51	4341770.80	3.20970	671025.82
4341770.80	7.88081		
671689.75	4341770.80	1.35982	671911.06
4341770.80	0.55018		
672132.37	4341770.80	0.21627	672353.68
4341770.80	0.12607		
672574.99	4341770.80	0.13296	668148.79
4341935.76	0.13463		
668370.10	4341935.76	0.15733	668591.41
4341935.76	0.18579		
668812.72	4341935.76	0.22001	669034.03
4341935.76	0.26282		
669255.34	4341935.76	0.31747	669476.65
4341935.76	0.35650		
669697.96	4341935.76	0.33404	669919.27
4341935.76	0.28224		
670140.58	4341935.76	0.34021	670361.89
4341935.76	0.50365		
670583.20	4341935.76	1.58874	670804.51
4341935.76	4.00007		
671468.44	4341935.76	4.46764	671689.75
4341935.76	1.01550		
671911.06	4341935.76	0.46529	672132.37
4341935.76	0.20121		
672353.68	4341935.76	0.11606	672574.99
4341935.76	0.13104		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 940

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP16 ***

INCLUDING SOURCE(S): PAREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668148.79	4342100.72	0.14464	668370.10
4342100.72	0.17149		

668591.41	4342100.72	0.20263	668812.72
4342100.72	0.23750		
669034.03	4342100.72	0.28514	669255.34
4342100.72	0.34667		
669476.65	4342100.72	0.40272	669697.96
4342100.72	0.45957		
669919.27	4342100.72	0.55197	670140.58
4342100.72	0.53888		
670361.89	4342100.72	1.37918	670583.20
4342100.72	2.08659		
671468.44	4342100.72	1.89717	671689.75
4342100.72	0.70631		
671911.06	4342100.72	0.37640	672132.37
4342100.72	0.19664		
672353.68	4342100.72	0.11497	672574.99
4342100.72	0.12102		
668148.79	4342265.68	0.15678	668370.10
4342265.68	0.18587		
668591.41	4342265.68	0.21016	668812.72
4342265.68	0.24937		
669034.03	4342265.68	0.29963	669255.34
4342265.68	0.37380		
669476.65	4342265.68	0.46798	669697.96
4342265.68	0.60071		
669919.27	4342265.68	0.77918	670140.58
4342265.68	1.03754		
670361.89	4342265.68	1.39807	670583.20
4342265.68	1.97687		
670804.51	4342265.68	3.10269	671025.82
4342265.68	4.09563		
671247.13	4342265.68	3.33641	671468.44
4342265.68	1.26922		
671689.75	4342265.68	0.56976	671911.06
4342265.68	0.29494		
672132.37	4342265.68	0.19648	672353.68
4342265.68	0.12950		
672574.99	4342265.68	0.11402	668148.79
4342430.64	0.15921		
668370.10	4342430.64	0.19249	668591.41
4342430.64	0.21485		
668812.72	4342430.64	0.25096	669034.03
4342430.64	0.29887		
669255.34	4342430.64	0.36582	669476.65
4342430.64	0.47260		
669697.96	4342430.64	0.58539	669919.27
4342430.64	0.74788		
670140.58	4342430.64	0.93903	670361.89
4342430.64	1.22701		
670583.20	4342430.64	1.68471	670804.51
4342430.64	2.10148		

671025.82	4342430.64	2.19417	671247.13
4342430.64	1.32305		
671468.44	4342430.64	0.81390	671689.75
4342430.64	0.42587		
671911.06	4342430.64	0.23948	672132.37
4342430.64	0.17012		
672353.68	4342430.64	0.14336	672574.99
4342430.64	0.10390		
668148.79	4342595.60	0.17273	668370.10
4342595.60	0.19641		
668591.41	4342595.60	0.22745	668812.72
4342595.60	0.26660		
669034.03	4342595.60	0.31486	669255.34
4342595.60	0.37876		
669476.65	4342595.60	0.44557	669697.96
4342595.60	0.56711		
669919.27	4342595.60	0.66968	670140.58
4342595.60	0.85895		
670361.89	4342595.60	1.07989	670583.20
4342595.60	1.01816		
670804.51	4342595.60	1.30465	671025.82
4342595.60	1.25843		
671247.13	4342595.60	0.95118	671468.44
4342595.60	0.54023		
671689.75	4342595.60	0.30207	671911.06
4342595.60	0.18027		
672132.37	4342595.60	0.13369	672353.68
4342595.60	0.12191		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 941

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: SRCGP16
 INCLUDING SOURCE(S): PAREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

- - - - -
 - - - - -

672574.99	4342595.60	0.09580	668148.79
4342760.56	0.18761		
668370.10	4342760.56	0.21598	668591.41
4342760.56	0.24096		
668812.72	4342760.56	0.27975	669034.03
4342760.56	0.33130		
669255.34	4342760.56	0.38619	669476.65
4342760.56	0.43590		
669697.96	4342760.56	0.54957	669919.27
4342760.56	0.64331		
670140.58	4342760.56	0.76308	670361.89
4342760.56	0.91463		
670583.20	4342760.56	0.76455	670804.51
4342760.56	0.81173		
671025.82	4342760.56	0.73764	671247.13
4342760.56	0.55867		
671468.44	4342760.56	0.40076	671689.75
4342760.56	0.25567		
671911.06	4342760.56	0.14759	672132.37
4342760.56	0.10931		
672353.68	4342760.56	0.10565	672574.99
4342760.56	0.08357		
668148.79	4342925.52	0.19386	668370.10
4342925.52	0.21880		
668591.41	4342925.52	0.25044	668812.72
4342925.52	0.27834		
669034.03	4342925.52	0.31562	669476.65
4342925.52	0.41177		
669697.96	4342925.52	0.49986	669919.27
4342925.52	0.57677		
670140.58	4342925.52	0.65313	670361.89
4342925.52	0.69838		
670583.20	4342925.52	0.75179	670804.51
4342925.52	0.64967		
671025.82	4342925.52	0.43078	671247.13
4342925.52	0.40571		
671468.44	4342925.52	0.29309	671689.75
4342925.52	0.20464		
671911.06	4342925.52	0.12936	672132.37
4342925.52	0.08440		
672353.68	4342925.52	0.07753	672574.99
4342925.52	0.07298		
668148.79	4343090.48	0.18547	668370.10
4343090.48	0.20733		
668591.41	4343090.48	0.24151	669476.65
4343090.48	0.37342		
669697.96	4343090.48	0.43748	669919.27
4343090.48	0.50589		
670140.58	4343090.48	0.57113	670361.89
4343090.48	0.56998		

670583.20	4343090.48	0.53930	670804.51
4343090.48	0.49838		
671025.82	4343090.48	0.32100	671247.13
4343090.48	0.30242		
671468.44	4343090.48	0.23177	671689.75
4343090.48	0.16642		
671911.06	4343090.48	0.11210	672132.37
4343090.48	0.07749		
672353.68	4343090.48	0.05326	672574.99
4343090.48	0.04857		
668148.79	4343255.44	0.18127	668370.10
4343255.44	0.19893		
668591.41	4343255.44	0.22195	669476.65
4343255.44	0.35405		
669697.96	4343255.44	0.39721	669919.27
4343255.44	0.43975		
670140.58	4343255.44	0.46083	670361.89
4343255.44	0.44878		
670583.20	4343255.44	0.41390	670804.51
4343255.44	0.39005		
671025.82	4343255.44	0.25647	671247.13
4343255.44	0.23058		
671468.44	4343255.44	0.19286	671689.75
4343255.44	0.13901		
671911.06	4343255.44	0.09731	672132.37
4343255.44	0.06949		
672353.68	4343255.44	0.05081	672574.99
4343255.44	0.03626		
668148.79	4343420.40	0.17922	668370.10
4343420.40	0.19226		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 942

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: SRCGP16
 INCLUDING SOURCE(S): PAREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

668591.41	4343420.40	0.20570		668812.72
4343420.40	0.22808			
669034.03	4343420.40	0.25083		669255.34
4343420.40	0.27845			
669476.65	4343420.40	0.30978		669697.96
4343420.40	0.35788			
669919.27	4343420.40	0.37606		670140.58
4343420.40	0.36990			
670361.89	4343420.40	0.35541		670583.20
4343420.40	0.33007			
670804.51	4343420.40	0.31416		671025.82
4343420.40	0.26375			
671247.13	4343420.40	0.20836		671468.44
4343420.40	0.15671			
671689.75	4343420.40	0.12026		671911.06
4343420.40	0.08618			
672132.37	4343420.40	0.06155		672353.68
4343420.40	0.04539			
672574.99	4343420.40	0.03410		668148.79
4343585.36	0.17607			
668370.10	4343585.36	0.18891		668591.41
4343585.36	0.19788			
668812.72	4343585.36	0.22076		669034.03
4343585.36	0.24556			
669255.34	4343585.36	0.26886		669476.65
4343585.36	0.29050			
669697.96	4343585.36	0.30167		669919.27
4343585.36	0.31040			
670140.58	4343585.36	0.30580		670361.89
4343585.36	0.28984			
670583.20	4343585.36	0.27137		670804.51
4343585.36	0.25712			
671025.82	4343585.36	0.24308		671247.13
4343585.36	0.17653			
671468.44	4343585.36	0.14208		671689.75
4343585.36	0.11306			
671911.06	4343585.36	0.08125		672132.37
4343585.36	0.05930			
672353.68	4343585.36	0.04281		672574.99
4343585.36	0.03289			
668148.79	4343750.32	0.16606		668370.10
4343750.32	0.18225			
668591.41	4343750.32	0.19641		668812.72
4343750.32	0.21217			
669034.03	4343750.32	0.23788		669255.34
4343750.32	0.25553			
669476.65	4343750.32	0.26470		669697.96
4343750.32	0.26970			

669919.27	4343750.32	0.26755	670140.58
4343750.32	0.25823		
670361.89	4343750.32	0.24435	670583.20
4343750.32	0.22667		
670804.51	4343750.32	0.21450	671025.82
4343750.32	0.20307		
671247.13	4343750.32	0.18142	671468.44
4343750.32	0.15157		
671689.75	4343750.32	0.12345	671911.06
4343750.32	0.08911		
672132.37	4343750.32	0.06231	672353.68
4343750.32	0.04270		
672574.99	4343750.32	0.03297	668148.79
4343915.28	0.15624		
668370.10	4343915.28	0.17310	668591.41
4343915.28	0.18985		
668812.72	4343915.28	0.20503	669034.03
4343915.28	0.22250		
669255.34	4343915.28	0.23573	669476.65
4343915.28	0.24151		
669697.96	4343915.28	0.23845	669919.27
4343915.28	0.23110		
670140.58	4343915.28	0.22076	670361.89
4343915.28	0.20627		
670583.20	4343915.28	0.19381	670804.51
4343915.28	0.18421		
671025.82	4343915.28	0.17425	671247.13
4343915.28	0.15578		
671468.44	4343915.28	0.13099	671689.75
4343915.28	0.10487		
671911.06	4343915.28	0.07873	672132.37
4343915.28	0.06316		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 943

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP16 ***
 INCLUDING SOURCE(S): PAREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)

	672353.68	4343915.28	0.04824	672574.99
4343915.28		0.03607		
	668148.79	4344080.24	0.15113	668370.10
4344080.24		0.16445		
	668591.41	4344080.24	0.17977	668812.72
4344080.24		0.19397		
	669034.03	4344080.24	0.20608	669255.34
4344080.24		0.21435		
	669476.65	4344080.24	0.21434	669697.96
4344080.24		0.20985		
	669919.27	4344080.24	0.20148	670140.58
4344080.24		0.19217		
	670361.89	4344080.24	0.17690	670583.20
4344080.24		0.16723		
	670804.51	4344080.24	0.16030	671025.82
4344080.24		0.14826		
	671247.13	4344080.24	0.13544	671468.44
4344080.24		0.11704		
	671689.75	4344080.24	0.08751	671911.06
4344080.24		0.06483		
	672132.37	4344080.24	0.04987	672353.68
4344080.24		0.04063		
	672574.99	4344080.24	0.03145	671464.71
4342094.27		2.00922		
	671482.23	4342063.91	2.07756	671498.58
4342030.05		2.13451		
	671513.75	4341991.52	2.25526	671541.78
4341964.66		2.05833		
	671575.64	4341974.00	1.54903	671460.75
4342162.97		1.60745		
	671451.00	4342187.35	1.57285	671510.73
4342219.66		1.15302		
	671524.14	4342192.84	1.13371	671522.92
4342250.74		1.04666		
	671599.11	4342252.57	0.78270	671627.76
4342256.84		0.70503		
	671583.88	4342116.03	0.95022	671595.46
4342071.54		0.98384		
	671663.12	4342056.30	0.81701	671600.94
4342030.09		1.10594		
	671526.58	4342155.65	1.17449	671628.98
4342292.19		0.66935		
	671641.78	4341980.71	1.07376	671666.77
4342018.51		0.88217		
	671407.11	4342219.66	1.79004	671415.64
4342183.08		1.93553		

671635.08	4341706.42	2.12272	671693.59
4341710.08	1.45581		
671719.80	4341736.29	1.26704	671673.48
4341630.23	1.63411		
671888.04	4341936.22	0.51037	671977.64
4341952.07	0.35488		
672039.21	4341894.77	0.28402	671858.17
4341753.96	0.69399		
671922.78	4341634.49	0.47674	671613.74
4341791.15	2.10251		
671853.29	4341730.80	0.70265	671783.81
4341585.73	0.79940		
671783.20	4341546.72	0.72796	671769.18
4341461.38	0.60744		
671800.87	4341420.54	0.47577	671880.11
4341427.25	0.33805		
672012.39	4341504.66	0.21055	672084.31
4341547.94	0.21026		
671915.47	4341478.45	0.32852	671903.28
4341564.40	0.44709		
671863.05	4341522.34	0.47692	671830.13
4341336.43	0.35663		
671835.62	4341287.66	0.32603	671825.87
4341275.47	0.33169		
672136.73	4341370.56	0.10347	671920.34
4341307.17	0.20729		
671695.42	4341257.19	0.39137	671682.01
4341176.12	0.26709		
671991.66	4341196.23	0.15580	672022.14
4341231.59	0.13590		
671992.27	4341177.95	0.13584	671540.60
4341238.29	0.28755		
671575.34	4341177.95	0.20085	671454.65
4341196.23	0.30033		

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 944

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP16 ***
 INCLUDING SOURCE(S): PAREA4 ,

*** *** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)		Y-COORD (M) CONC	CONC	X-COORD (M)

	671523.53	4341116.38	0.19002	671413.20
4341126.74		0.25505		
	671471.11	4341064.57	0.18193	671601.55
4341050.55		0.20510		
	671198.64	4341253.53	0.49178	671278.49
4341212.08		0.39117		
	671230.34	4341132.84	0.27321	671073.08
4341271.82		0.70235		
	671122.45	4341373.61	1.25541	671118.79
4341397.38		1.45374		
	670978.40	4341324.15	1.05060	670932.85
4341394.21		1.34630		
	670935.19	4341367.36	1.27858	671108.01
4340976.17		0.24761		
	671286.67	4340978.51	0.18142	671675.37
4342488.78		0.39127		
	671091.40	4342277.23	4.08203	671051.75
4342332.07		2.87667		
	671051.75	4342369.20	2.56170	670953.04
4342360.76		2.65031		
	670695.71	4342235.89	2.62296	670545.53
4342318.58		1.80145		
	670711.74	4342488.16	1.63114	670648.30
4342501.73		1.39907		
	670648.30	4342630.87	0.79658	670806.29
4342728.41		0.86421		
	670688.15	4342739.41	0.65909	670804.92
4342427.55		2.12052		
	670439.48	4342471.51	1.33673	670358.43
4342578.67		1.09459		
	670546.64	4342662.47	1.02473	670537.03
4342595.15		1.10609		
	670483.45	4342776.50	0.84218	670508.17
4342754.52		0.86218		
	670517.79	4342868.54	0.75243	670545.27
4342850.69		0.72196		
	670582.36	4342878.16	0.72008	670304.85
4342688.57		0.93087		
	670039.70	4342661.10	0.74580	670156.48
4342673.46		0.83419		
	670236.16	4342648.73	0.91580	670071.30
4342738.03		0.74068		
	669990.24	4342753.14	0.68510	669928.42
4342742.15		0.65275		

669815.77	4342673.46	0.61896	669742.96
4342655.60	0.59270		
669791.04	4342744.90	0.59094	669696.25
4342731.16	0.55683		
669536.88	4342552.57	0.46913	671174.86
4342280.21	3.73364		
671068.38	4342169.93	12.34442	670965.71
4342179.44	6.52036		
670815.50	4342198.45	3.50811	670737.55
4342097.68	2.92946		
670762.27	4342069.16	3.16522	670817.40
4342040.64	3.81182		
670895.36	4342025.43	5.14567	670979.02
4341915.15	7.26921		
671115.92	4341863.81	13.81832	671199.58
4341770.65	27.44317		
671222.39	4341377.07	1.61626	671714.84
4341392.28	0.60522		
671366.89	4341998.81	11.06924	671226.19
4342236.48	4.29391		
669098.44	4343411.59	0.25799	668908.63
4343364.56	0.24061		
668851.52	4343359.52	0.23487	668831.37
4343371.27	0.23169		
668733.94	4343302.41	0.22990	668686.91
4343199.95	0.23737		
668671.79	4343089.09	0.24715	668806.17
4343001.74	0.26920		
668918.71	4343025.26	0.28492	669024.53
4342942.95	0.31035		
669288.24	4342916.08	0.36751	669333.59
4342922.80	0.37574		
669365.51	4342978.23	0.37080	669336.95
4343151.23	0.33225		
669303.36	4343304.09	0.30626	669222.73
4343235.22	0.30016		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 945

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP16 ***
 INCLUDING SOURCE(S): PAREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

669135.39	4343305.77	0.27483	

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10/04/21
*** AERMET - VERSION 14134 ***
13:59:48

PAGE 946

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 , STCK1
, STCK2 , STCK3 , STCK4 ,
STCK5 , STCK6 , STCK7 , STCK8 , STCK9
, STCK10 , L0000555 , L0000556 ,
L0000557 , L0000558 , L0000559 , L0000560 , L0000561
, L0000562 , L0000563 , L0000564 ,
L0000565 , L0000566 , L0000567 , L0000568 , L0000569
, L0000570 , L0000571 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

668148.79	4340781.04	1.22453	668370.10
4340781.04	1.36559		
668591.41	4340781.04	1.54286	668812.72
4340781.04	1.73703		
669034.03	4340781.04	1.98595	669255.34
4340781.04	2.29377		
669476.65	4340781.04	2.57602	669697.96
4340781.04	2.92601		
669919.27	4340781.04	3.86881	670140.58
4340781.04	4.00978		
670361.89	4340781.04	3.57007	670583.20

4340781.04	2.47472		
670804.51	4340781.04	1.91601	671025.82
4340781.04	1.34281		
671247.13	4340781.04	1.05867	671468.44
4340781.04	1.06991		
671689.75	4340781.04	0.99836	671911.06
4340781.04	0.83144		
672132.37	4340781.04	0.58642	672353.68
4340781.04	0.67901		
672574.99	4340781.04	0.66368	668148.79
4340946.00	1.21850		
668370.10	4340946.00	1.34666	668591.41
4340946.00	1.51038		
668812.72	4340946.00	1.71704	669034.03
4340946.00	1.99735		
669255.34	4340946.00	2.33159	669476.65
4340946.00	2.67401		
669697.96	4340946.00	3.23118	669919.27
4340946.00	4.47620		
670140.58	4340946.00	4.98591	670361.89
4340946.00	4.85338		
670583.20	4340946.00	4.22002	670804.51
4340946.00	2.70074		
671025.82	4340946.00	1.71933	671247.13
4340946.00	1.21136		
671468.44	4340946.00	1.14104	671689.75
4340946.00	1.29434		
671911.06	4340946.00	1.22849	672132.37
4340946.00	0.62712		
672353.68	4340946.00	0.64065	672574.99
4340946.00	0.73868		
668148.79	4341110.96	1.20886	668370.10
4341110.96	1.33717		
668591.41	4341110.96	1.47574	668812.72
4341110.96	1.67969		
669034.03	4341110.96	1.94854	669255.34
4341110.96	2.26937		
669476.65	4341110.96	2.73702	669697.96
4341110.96	3.40436		
669919.27	4341110.96	4.01459	670140.58
4341110.96	5.64062		
670361.89	4341110.96	5.84472	670583.20
4341110.96	4.73583		
670804.51	4341110.96	3.27038	671025.82
4341110.96	2.09452		
671247.13	4341110.96	1.72351	671468.44
4341110.96	1.50701		
671689.75	4341110.96	1.97947	671911.06
4341110.96	1.57846		
672132.37	4341110.96	0.74546	672353.68

4341110.96	0.63847		
672574.99	4341110.96	0.85275	668148.79
4341275.92	1.20555		
668370.10	4341275.92	1.31312	668591.41
4341275.92	1.43824		
668812.72	4341275.92	1.63919	669034.03
4341275.92	1.95629		
669255.34	4341275.92	2.28547	669476.65
4341275.92	2.71761		
669697.96	4341275.92	3.34707	669919.27
4341275.92	4.84966		
670140.58	4341275.92	5.39464	670361.89
4341275.92	5.87067		
670583.20	4341275.92	5.09173	670804.51
4341275.92	4.45253		
671025.82	4341275.92	3.24550	671247.13
4341275.92	3.11133		
671468.44	4341275.92	3.74254	671689.75
4341275.92	3.36794		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 947

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 , STCK1
 , STCK2 , STCK3 , STCK4 ,
 STCK5 , STCK6 , STCK7 , STCK8 , STCK9
 , STCK10 , L0000555 , L0000556 ,
 L0000557 , L0000558 , L0000559 , L0000560 , L0000561
 , L0000562 , L0000563 , L0000564 ,
 L0000565 , L0000566 , L0000567 , L0000568 , L0000569
 , L0000570 , L0000571 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
671911.06	4341275.92	2.21656	672132.37
4341275.92	1.02072		

672353.68	4341275.92	0.76673	672574.99
4341275.92	1.03779		
668148.79	4341440.88	1.23722	668370.10
4341440.88	1.30151		
668591.41	4341440.88	1.41648	668812.72
4341440.88	1.61018		
669034.03	4341440.88	1.89296	669255.34
4341440.88	2.18344		
669476.65	4341440.88	2.64710	669697.96
4341440.88	3.31959		
669919.27	4341440.88	4.30420	670140.58
4341440.88	4.78440		
670361.89	4341440.88	5.84663	670583.20
4341440.88	5.95993		
670804.51	4341440.88	7.11481	671025.82
4341440.88	5.62731		
671689.75	4341440.88	8.79878	671911.06
4341440.88	3.10524		
672132.37	4341440.88	1.49671	672353.68
4341440.88	1.20317		
672574.99	4341440.88	1.64782	668148.79
4341605.84	1.23371		
668370.10	4341605.84	1.28096	668591.41
4341605.84	1.41351		
668812.72	4341605.84	1.59121	669034.03
4341605.84	1.81677		
669255.34	4341605.84	2.12709	669476.65
4341605.84	2.57137		
669697.96	4341605.84	3.16451	669919.27
4341605.84	3.51761		
670140.58	4341605.84	4.35615	670361.89
4341605.84	5.07472		
670583.20	4341605.84	6.86205	670804.51
4341605.84	11.22521		
671025.82	4341605.84	11.13640	671689.75
4341605.84	16.51049		
671911.06	4341605.84	4.93113	672132.37
4341605.84	2.42337		
672353.68	4341605.84	1.61280	672574.99
4341605.84	2.01845		
668148.79	4341770.80	1.37421	668370.10
4341770.80	1.31700		
668591.41	4341770.80	1.46038	668812.72
4341770.80	1.61312		
669034.03	4341770.80	1.82668	669255.34
4341770.80	2.15992		
669476.65	4341770.80	2.54707	669697.96
4341770.80	2.69414		
669919.27	4341770.80	2.88118	670140.58
4341770.80	3.33057		

670361.89	4341770.80	3.80573	670583.20
4341770.80	7.54157		
670804.51	4341770.80	19.42060	671025.82
4341770.80	35.89137		
671689.75	4341770.80	13.76379	671911.06
4341770.80	5.82312		
672132.37	4341770.80	2.47413	672353.68
4341770.80	1.51493		
672574.99	4341770.80	2.13884	668148.79
4341935.76	1.45336		
668370.10	4341935.76	1.55426	668591.41
4341935.76	1.53413		
668812.72	4341935.76	1.66570	669034.03
4341935.76	1.89235		
669255.34	4341935.76	2.20956	669476.65
4341935.76	2.27420		
669697.96	4341935.76	2.17190	669919.27
4341935.76	2.07203		
670140.58	4341935.76	2.49296	670361.89
4341935.76	3.48490		
670583.20	4341935.76	8.47592	670804.51
4341935.76	23.43282		
671468.44	4341935.76	39.81571	671689.75
4341935.76	10.92716		
671911.06	4341935.76	5.23667	672132.37
4341935.76	2.46284		
672353.68	4341935.76	1.49315	672574.99
4341935.76	1.62532		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 948

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): PAREA1 , STCK1
 , STCK2 , STCK3 , STCK4 ,
 , STCK5 , STCK6 , STCK7 , STCK8 , STCK9
 , STCK10 , L0000555 , L0000556 ,
 , L0000557 , L0000558 , L0000559 , L0000560 , L0000561
 , L0000562 , L0000563 , L0000564 ,
 , L0000565 , L0000566 , L0000567 , L0000568 , L0000569
 , L0000570 , L0000571 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
4342100.72	668148.79	4342100.72	1.79841	668370.10
4342100.72	668591.41	4342100.72	1.61655	668812.72
4342100.72	669034.03	4342100.72	2.04232	669255.34
4342100.72	669476.65	4342100.72	2.49370	669697.96
4342100.72	669919.27	4342100.72	3.06166	670140.58
4342100.72	670361.89	4342100.72	7.20159	670583.20
4342100.72	671468.44	4342100.72	19.35754	671689.75
4342100.72	671911.06	4342100.72	4.53870	672132.37
4342100.72	672353.68	4342100.72	1.52995	672574.99
4342265.68	668148.79	4342265.68	2.12705	668370.10
4342265.68	668591.41	4342265.68	2.01527	668812.72
4342265.68	669034.03	4342265.68	2.26026	669255.34
4342265.68	669476.65	4342265.68	3.00793	669697.96
4342265.68	669919.27	4342265.68	4.57544	670140.58
4342265.68	670361.89	4342265.68	8.99175	670583.20
4342265.68	670804.51	4342265.68	27.25903	671025.82
4342265.68	671247.13	4342265.68	38.98131	671468.44
4342265.68	671689.75	4342265.68	6.57790	671911.06
4342265.68	672132.37	4342265.68	2.50143	672353.68
4342265.68	672574.99	4342265.68	2.01742	668148.79
4342430.64	668370.10	4342430.64	2.64275	668591.41
4342430.64	668812.72	4342430.64	2.83718	669034.03

4342430.64	3.14168		
669255.34	4342430.64	3.25291	669476.65
4342430.64	3.60046		
669697.96	4342430.64	4.60577	669919.27
4342430.64	5.38043		
670140.58	4342430.64	7.91297	670361.89
4342430.64	17.45340		
670583.20	4342430.64	14.12359	670804.51
4342430.64	19.51499		
671025.82	4342430.64	34.62004	671247.13
4342430.64	16.31080		
671468.44	4342430.64	9.18703	671689.75
4342430.64	4.95131		
671911.06	4342430.64	2.98986	672132.37
4342430.64	2.18512		
672353.68	4342430.64	2.12923	672574.99
4342430.64	1.90964		
668148.79	4342595.60	2.28007	668370.10
4342595.60	2.69761		
668591.41	4342595.60	3.14036	668812.72
4342595.60	3.57304		
669034.03	4342595.60	3.94599	669255.34
4342595.60	3.98464		
669476.65	4342595.60	6.59671	669697.96
4342595.60	11.50042		
669919.27	4342595.60	11.70325	670140.58
4342595.60	13.17138		
670361.89	4342595.60	10.45537	670583.20
4342595.60	9.08174		
670804.51	4342595.60	13.98278	671025.82
4342595.60	21.06894		
671247.13	4342595.60	11.59249	671468.44
4342595.60	6.34168		
671689.75	4342595.60	3.61454	671911.06
4342595.60	2.27821		
672132.37	4342595.60	1.74815	672353.68
4342595.60	1.72524		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 949

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 , STCK1
 , STCK2 , STCK3 , STCK4 ,
 STCK5 , STCK6 , STCK7 , STCK8 , STCK9

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, STCK10      , L0000555      , L0000556      ,
                L0000557      , L0000558      , L0000559      , L0000560      , L0000561
, L0000562    , L0000563      , L0000564      ,
                L0000565      , L0000566      , L0000567      , L0000568      , L0000569
, L0000570    , L0000571      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
- - - - -	- - - - -	- - - - -	- - - - -
- - - - -	- - - - -	- - - - -	- - - - -
672574.99	4342595.60	1.75358	668148.79
4342760.56	3.10818		
668370.10	4342760.56	4.30325	668591.41
4342760.56	4.07618		
668812.72	4342760.56	4.92853	669034.03
4342760.56	4.27469		
669255.34	4342760.56	4.58490	669476.65
4342760.56	11.21283		
669697.96	4342760.56	5.98446	669919.27
4342760.56	7.01635		
670140.58	4342760.56	7.39715	670361.89
4342760.56	8.54515		
670583.20	4342760.56	8.08295	670804.51
4342760.56	15.29967		
671025.82	4342760.56	10.63458	671247.13
4342760.56	7.06654		
671468.44	4342760.56	4.83940	671689.75
4342760.56	3.08872		
671911.06	4342760.56	1.88076	672132.37
4342760.56	1.45050		
672353.68	4342760.56	1.42376	672574.99
4342760.56	1.24149		
668148.79	4342925.52	3.46940	668370.10
4342925.52	5.05774		
668591.41	4342925.52	6.53169	668812.72
4342925.52	7.65899		
669034.03	4342925.52	8.65145	669476.65
4342925.52	8.23389		
669697.96	4342925.52	5.61939	669919.27
4342925.52	5.88502		
670140.58	4342925.52	6.18477	670361.89
4342925.52	7.06246		
670583.20	4342925.52	13.77499	670804.51
4342925.52	11.27143		

671025.82	4342925.52	5.99856	671247.13
4342925.52	5.18752		
671468.44	4342925.52	3.64556	671689.75
4342925.52	2.52852		
671911.06	4342925.52	1.65537	672132.37
4342925.52	1.13497		
672353.68	4342925.52	1.05601	672574.99
4342925.52	0.99669		
668148.79	4343090.48	3.03472	668370.10
4343090.48	4.44116		
668591.41	4343090.48	8.50185	669476.65
4343090.48	7.38167		
669697.96	4343090.48	6.23352	669919.27
4343090.48	6.49902		
670140.58	4343090.48	6.71967	670361.89
4343090.48	11.07583		
670583.20	4343090.48	10.07162	670804.51
4343090.48	6.92301		
671025.82	4343090.48	4.39986	671247.13
4343090.48	3.91507		
671468.44	4343090.48	2.92973	671689.75
4343090.48	2.09496		
671911.06	4343090.48	1.44805	672132.37
4343090.48	1.03712		
672353.68	4343090.48	0.75181	672574.99
4343090.48	0.68828		
668148.79	4343255.44	3.41573	668370.10
4343255.44	5.95252		
668591.41	4343255.44	9.28249	669476.65
4343255.44	8.42998		
669697.96	4343255.44	16.07466	669919.27
4343255.44	14.18804		
670140.58	4343255.44	14.69715	670361.89
4343255.44	9.64535		
670583.20	4343255.44	6.27432	670804.51
4343255.44	5.23748		
671025.82	4343255.44	3.46213	671247.13
4343255.44	3.02262		
671468.44	4343255.44	2.45069	671689.75
4343255.44	1.77189		
671911.06	4343255.44	1.26483	672132.37
4343255.44	0.93277		
672353.68	4343255.44	0.70699	672574.99
4343255.44	0.53425		
668148.79	4343420.40	3.09709	668370.10
4343420.40	6.17399		

```

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*** AERMET - VERSION 14134 *** ***
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```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 , STCK1
, STCK2 , STCK3 , STCK4 ,
STCK5 , STCK6 , STCK7 , STCK8 , STCK9
, STCK10 , L0000555 , L0000556 ,
L0000557 , L0000558 , L0000559 , L0000560 , L0000561
, L0000562 , L0000563 , L0000564 ,
L0000565 , L0000566 , L0000567 , L0000568 , L0000569
, L0000570 , L0000571 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
668591.41	4343420.40	13.47328	668812.72
4343420.40	25.86304		
669034.03	4343420.40	119.91608	669255.34
4343420.40	19.35212		
669476.65	4343420.40	12.35716	669697.96
4343420.40	7.19347		
669919.27	4343420.40	7.24913	670140.58
4343420.40	6.16615		
670361.89	4343420.40	5.31918	670583.20
4343420.40	4.58373		
670804.51	4343420.40	4.07835	671025.82
4343420.40	3.26085		
671247.13	4343420.40	2.67240	671468.44
4343420.40	2.01277		
671689.75	4343420.40	1.54247	671911.06
4343420.40	1.12708		
672132.37	4343420.40	0.83158	672353.68
4343420.40	0.63360		
672574.99	4343420.40	0.49447	668148.79
4343585.36	2.47285		
668370.10	4343585.36	3.99078	668591.41
4343585.36	7.70711		
668812.72	4343585.36	13.54115	669034.03
4343585.36	15.17567		
669255.34	4343585.36	8.13835	669476.65

4343585.36	5.80496		
669697.96	4343585.36	5.08495	669919.27
4343585.36	4.63273		
670140.58	4343585.36	4.28877	670361.89
4343585.36	3.92215		
670583.20	4343585.36	3.61253	670804.51
4343585.36	3.38524		
671025.82	4343585.36	3.09919	671247.13
4343585.36	2.25015		
671468.44	4343585.36	1.80252	671689.75
4343585.36	1.43754		
671911.06	4343585.36	1.05284	672132.37
4343585.36	0.78954		
672353.68	4343585.36	0.59397	672574.99
4343585.36	0.46994		
668148.79	4343750.32	2.74393	668370.10
4343750.32	2.99211		
668591.41	4343750.32	4.93126	668812.72
4343750.32	7.68181		
669034.03	4343750.32	6.86254	669255.34
4343750.32	5.25155		
669476.65	4343750.32	4.18866	669697.96
4343750.32	3.77766		
669919.27	4343750.32	3.55065	670140.58
4343750.32	3.33558		
670361.89	4343750.32	3.14324	670583.20
4343750.32	2.96048		
670804.51	4343750.32	2.80661	671025.82
4343750.32	2.65066		
671247.13	4343750.32	2.25952	671468.44
4343750.32	1.93370		
671689.75	4343750.32	1.60236	671911.06
4343750.32	1.14328		
672132.37	4343750.32	0.80603	672353.68
4343750.32	0.57985		
672574.99	4343750.32	0.46175	668148.79
4343915.28	2.91878		
668370.10	4343915.28	2.97150	668591.41
4343915.28	3.80286		
668812.72	4343915.28	4.86713	669034.03
4343915.28	4.78554		
669255.34	4343915.28	3.97683	669476.65
4343915.28	3.30572		
669697.96	4343915.28	3.02492	669919.27
4343915.28	2.88201		
670140.58	4343915.28	2.71263	670361.89
4343915.28	2.59380		
670583.20	4343915.28	2.48627	670804.51
4343915.28	2.38718		
671025.82	4343915.28	2.26141	671247.13

4343915.28 2.08887
671468.44 4343915.28 1.65698 671689.75
4343915.28 1.30645
671911.06 4343915.28 1.01201 672132.37
4343915.28 0.81459
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*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 951

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): PAREA1 , STCK1
, STCK2 , STCK3 , STCK4 ,
STCK5 , STCK6 , STCK7 , STCK8 , STCK9
, STCK10 , L0000555 , L0000556 ,
L0000557 , L0000558 , L0000559 , L0000560 , L0000561
, L0000562 , L0000563 , L0000564 ,
L0000565 , L0000566 , L0000567 , L0000568 , L0000569
, L0000570 , L0000571 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
672353.68	4343915.28	0.62728	672574.99
4343915.28	0.48454		
668148.79	4344080.24	2.48188	668370.10
4344080.24	2.90082		
668591.41	4344080.24	3.31118	668812.72
4344080.24	3.67082		
669034.03	4344080.24	3.66806	669255.34
4344080.24	3.21949		
669476.65	4344080.24	2.80871	669697.96
4344080.24	2.54189		
669919.27	4344080.24	2.38641	670140.58
4344080.24	2.27429		
670361.89	4344080.24	2.20397	670583.20
4344080.24	2.12820		
670804.51	4344080.24	2.05004	671025.82
4344080.24	1.79378		

671247.13	4344080.24	1.80778	671468.44
4344080.24	1.61228		
671689.75	4344080.24	1.09733	671911.06
4344080.24	0.83313		
672132.37	4344080.24	0.65262	672353.68
4344080.24	0.53517		
672574.99	4344080.24	0.42816	671464.71
4342094.27	20.31733		
671482.23	4342063.91	20.87584	671498.58
4342030.05	21.40328		
671513.75	4341991.52	22.50609	671541.78
4341964.66	20.76519		
671575.64	4341974.00	16.23146	671460.75
4342162.97	16.78174		
671451.00	4342187.35	16.53192	671510.73
4342219.66	12.36809		
671524.14	4342192.84	12.20947	671522.92
4342250.74	11.30402		
671599.11	4342252.57	8.71011	671627.76
4342256.84	7.94039		
671583.88	4342116.03	10.61179	671595.46
4342071.54	10.99815		
671663.12	4342056.30	9.25888	671600.94
4342030.09	12.16326		
671526.58	4342155.65	12.66582	671628.98
4342292.19	7.54750		
671641.78	4341980.71	11.69082	671666.77
4342018.51	9.87588		
671407.11	4342219.66	18.99794	671415.64
4342183.08	20.19639		
671635.08	4341706.42	21.49023	671693.59
4341710.08	15.05802		
671719.80	4341736.29	13.24193	671673.48
4341630.23	17.96575		
671888.04	4341936.22	5.70206	671977.64
4341952.07	4.11809		
672039.21	4341894.77	3.32127	671858.17
4341753.96	7.87241		
671922.78	4341634.49	4.94642	671613.74
4341791.15	21.26522		
671853.29	4341730.80	7.95829	671783.81
4341585.73	9.32355		
671783.20	4341546.72	8.44975	671769.18
4341461.38	6.83551		
671800.87	4341420.54	5.18358	671880.11
4341427.25	3.41682		
672012.39	4341504.66	2.31603	672084.31
4341547.94	2.33517		
671915.47	4341478.45	3.37017	671903.28
4341564.40	4.59380		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

INCLUDING SOURCE(S):				PAREA1	STCK1
STCK2	STCK3	STCK4			
	STCK5	STCK6	STCK7	STCK8	STCK9
STCK10	L0000555	L0000556			
	L0000557	L0000558	L0000559	L0000560	L0000561
L0000562	L0000563	L0000564			
	L0000565	L0000566	L0000567	L0000568	L0000569
L0000570	L0000571	.	.	.	.

**

671523.53	4341116.38	1.48792	671413.20
4341126.74	1.76291		
671471.11	4341064.57	1.37790	671601.55
4341050.55	1.55398		
671198.64	4341253.53	2.61489	671278.49
4341212.08	2.34933		
671230.34	4341132.84	1.75415	671073.08

4341271.82	3.01377		
671122.45	4341373.61	4.78607	671118.79
4341397.38	5.37282		
670978.40	4341324.15	4.03519	670932.85
4341394.21	5.33159		
670935.19	4341367.36	4.94723	671108.01
4340976.17	1.48163		
671286.67	4340978.51	1.26124	671675.37
4342488.78	4.56606		
671091.40	4342277.23	51.10042	671051.75
4342332.07	34.75619		
671051.75	4342369.20	34.19887	670953.04
4342360.76	26.15307		
670695.71	4342235.89	23.23345	670545.53
4342318.58	18.58175		
670711.74	4342488.16	13.67967	670648.30
4342501.73	11.51928		
670648.30	4342630.87	7.99749	670806.29
4342728.41	13.47839		
670688.15	4342739.41	7.55010	670804.92
4342427.55	19.63358		
670439.48	4342471.51	14.60291	670358.43
4342578.67	10.90808		
670546.64	4342662.47	9.27294	670537.03
4342595.15	9.45833		
670483.45	4342776.50	8.26998	670508.17
4342754.52	8.44259		
670517.79	4342868.54	8.30638	670545.27
4342850.69	8.05676		
670582.36	4342878.16	8.95206	670304.85
4342688.57	8.89534		
670039.70	4342661.10	11.19883	670156.48
4342673.46	8.87384		
670236.16	4342648.73	9.23790	670071.30
4342738.03	7.74899		
669990.24	4342753.14	7.44876	669928.42
4342742.15	7.41880		
669815.77	4342673.46	7.90238	669742.96
4342655.60	7.76668		
669791.04	4342744.90	6.40051	669696.25
4342731.16	6.22373		
669536.88	4342552.57	6.66185	671174.86
4342280.21	49.63795		
671068.38	4342169.93	124.95420	670965.71
4342179.44	64.01330		
670815.50	4342198.45	30.53907	670737.55
4342097.68	19.65054		
670762.27	4342069.16	20.22083	670817.40
4342040.64	24.16130		
670895.36	4342025.43	34.36959	670979.02

4341915.15	41.52900			
671115.92	4341863.81	62.09617		671199.58
4341770.65	79.09672			
671222.39	4341377.07	6.10179		671714.84
4341392.28	5.98932			
671366.89	4341998.81	89.39014		671226.19
4342236.48	49.17267			
669098.44	4343411.59	135.37932		668908.63
4343364.56	47.95435			
668851.52	4343359.52	35.97060		668831.37
4343371.27	32.23786			
668733.94	4343302.41	26.09868		668686.91
4343199.95	21.61111			
668671.79	4343089.09	14.97050		668806.17
4343001.74	13.92405			
668918.71	4343025.26	15.21559		669024.53
4342942.95	11.08726			
669288.24	4342916.08	9.90621		669333.59
4342922.80	12.49139			
669365.51	4342978.23	13.38834		669336.95
4343151.23	16.04568			
669303.36	4343304.09	22.98128		669222.73
4343235.22	34.34697			

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 *** AERMET - VERSION 14134 *** ***
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PAGE 953

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE PERIOD (43872 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 , STCK1
 , STCK2 , STCK3 , STCK4 ,
 , STCK5 , STCK6 , STCK7 , STCK8 , STCK9
 , STCK10 , L0000555 , L0000556 ,
 , L0000557 , L0000558 , L0000559 , L0000560 , L0000561
 , L0000562 , L0000563 , L0000564 ,
 , L0000565 , L0000566 , L0000567 , L0000568 , L0000569
 , L0000570 , L0000571 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

669135.39 4343305.77 77.08324

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10/04/21

*** AERMET - VERSION 14134 ***
13:59:48

PAGE 954

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1
INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4340781.04	10.82592	(10121507)	668370.10
4340781.04	12.09877	(11121118)		
668591.41	4340781.04	13.34284	(13011407)	668812.72
4340781.04	14.57802	(10121505)		
669034.03	4340781.04	15.73153	(10121505)	669255.34
4340781.04	16.24397	(12122705)		
669476.65	4340781.04	18.11447	(10123022)	669697.96
4340781.04	20.44912	(10123021)		
669919.27	4340781.04	40.57695	(09021007)	670140.58
4340781.04	55.69190	(10121518)		
670361.89	4340781.04	57.93534	(09010818)	670583.20
4340781.04	42.71354	(10081222)		
670804.51	4340781.04	43.13170	(13121008)	671025.82
4340781.04	34.72194	(13121118)		
671247.13	4340781.04	28.13407	(10021524)	671468.44
4340781.04	30.90270	(13041906)		
671689.75	4340781.04	36.28686	(11120721)	671911.06
4340781.04	33.49758	(09011623)		
672132.37	4340781.04	17.88290	(11111217)	672353.68
4340781.04	35.06108	(12050420)		
672574.99	4340781.04	40.25965	(11092622)	668148.79
4340946.00	10.63694	(12021205)		
668370.10	4340946.00	12.07840	(09121724)	668591.41
4340946.00	13.51563	(10121507)		

668812.72	4340946.00	14.84744	(11121118)	669034.03
4340946.00	17.05701 (13011407)			
669255.34	4340946.00	18.93353	(10121505)	669476.65
4340946.00	19.08698 (12122705)			
669697.96	4340946.00	22.28304	(10123022)	669919.27
4340946.00	55.21919 (09120721)			
670140.58	4340946.00	58.39798	(09021007)	670361.89
4340946.00	68.42688 (12122707)			
670583.20	4340946.00	66.20499	(09040420)	670804.51
4340946.00	47.40040 (13012205)			
671025.82	4340946.00	36.30382	(13121118)	671247.13
4340946.00	26.61371 (12062623)			
671468.44	4340946.00	26.94293	(13062723)	671689.75
4340946.00	45.21465 (10012623)			
671911.06	4340946.00	51.09690	(13011419)	672132.37
4340946.00	19.00686 (13072420)			
672353.68	4340946.00	27.96192	(11092622)	672574.99
4340946.00	43.63052 (09042621)			
668148.79	4341110.96	10.90890	(13010219)	668370.10
4341110.96	12.01849 (10123020)			
668591.41	4341110.96	13.85322	(12021205)	668812.72
4341110.96	15.45380 (09121724)			
669034.03	4341110.96	17.58249	(09120107)	669255.34
4341110.96	19.68828 (13011407)			
669476.65	4341110.96	22.94457	(10121505)	669697.96
4341110.96	23.92401 (10122707)			
669919.27	4341110.96	27.91830	(10123022)	670140.58
4341110.96	68.93695 (13121005)			
670361.89	4341110.96	71.55332	(10123023)	670583.20
4341110.96	53.88615 (13012808)			
670804.51	4341110.96	39.38040	(13011423)	671025.82
4341110.96	31.10656 (13080222)			
671247.13	4341110.96	32.59495	(09102121)	671468.44
4341110.96	29.17884 (13080221)			
671689.75	4341110.96	68.73157	(11123117)	671911.06
4341110.96	56.68390 (12051820)			
672132.37	4341110.96	20.10148	(13120120)	672353.68
4341110.96	19.90203 (09042621)			
672574.99	4341110.96	42.18387	(10091119)	668148.79
4341275.92	11.35118 (09010222)			
668370.10	4341275.92	12.56505	(13020523)	668591.41
4341275.92	14.30122 (13010219)			
668812.72	4341275.92	16.44084	(10123020)	669034.03
4341275.92	18.82433 (12021205)			
669255.34	4341275.92	21.42638	(10121507)	669476.65
4341275.92	24.40123 (11121118)			
669697.96	4341275.92	28.81192	(10121505)	669919.27
4341275.92	61.03429 (10122707)			
670140.58	4341275.92	64.58728	(13021721)	670361.89
4341275.92	58.78925 (13053024)			

670583.20	4341275.92	44.02389	(09013124)	670804.51
4341275.92	41.26931 (12081705)			
671025.82	4341275.92	32.22979	(09071621)	671247.13
4341275.92	44.10128 (09090305)			
671468.44	4341275.92	78.91291	(11120721)	671689.75
4341275.92	94.90885 (13011419)			

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 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 955

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

671911.06	4341275.92	76.19312	(10031019)	672132.37
4341275.92	22.45984 (09042621)			
672353.68	4341275.92	14.31267	(10091119)	672574.99
4341275.92	48.47145 (09111517)			
668148.79	4341440.88	11.47129	(11123024)	668370.10
4341440.88	12.92619 (10022221)			
668591.41	4341440.88	14.73052	(09010222)	668812.72
4341440.88	17.03489 (13020523)			
669034.03	4341440.88	19.42862	(12020323)	669255.34
4341440.88	22.12820 (10123020)			
669476.65	4341440.88	25.79107	(12021205)	669697.96
4341440.88	30.90128 (10121507)			
669919.27	4341440.88	75.43913	(13011407)	670140.58
4341440.88	59.75804 (13013119)			
670361.89	4341440.88	55.72537	(09120217)	670583.20
4341440.88	48.92164 (13020608)			
670804.51	4341440.88	59.93181	(09072721)	671025.82
4341440.88	48.08225 (10102519)			
671689.75	4341440.88	58.37393	(12123124)	671911.06
4341440.88	85.11322 (11051920)			
672132.37	4341440.88	26.66298	(12090723)	672353.68
4341440.88	29.41493 (09111517)			

672574.99	4341440.88	24.52804	(12041421)	668148.79
4341605.84	12.07659 (13020123)			
668370.10	4341605.84	13.54851	(13022805)	668591.41
4341605.84	15.20016 (10010308)			
668812.72	4341605.84	17.29658	(11123024)	669034.03
4341605.84	19.68803 (13012122)			
669255.34	4341605.84	22.95282	(09010222)	669476.65
4341605.84	27.11047 (13020523)			
669697.96	4341605.84	32.68156	(11010323)	669919.27
4341605.84	75.03432 (11013122)			
670140.58	4341605.84	70.80192	(10121124)	670361.89
4341605.84	55.30619 (12010419)			
670583.20	4341605.84	57.19199	(13122607)	670804.51
4341605.84	96.03759 (09013124)			
671025.82	4341605.84	89.70951	(10021523)	671689.75
4341605.84	68.19295 (11051920)			
671911.06	4341605.84	98.59975	(12090723)	672132.37
4341605.84	53.14988 (12041421)			
672353.68	4341605.84	40.61090	(12070821)	672574.99
4341605.84	26.34114 (11120722)			
668148.79	4341770.80	11.87834	(13121023)	668370.10
4341770.80	13.81246 (10013105)			
668591.41	4341770.80	15.16568	(10013105)	668812.72
4341770.80	17.30716 (11120619)			
669034.03	4341770.80	20.10576	(13020123)	669255.34
4341770.80	23.68722 (13022805)			
669476.65	4341770.80	27.98019	(10010308)	669697.96
4341770.80	69.95084 (13012122)			
669919.27	4341770.80	69.44086	(13122621)	670140.58
4341770.80	63.40793 (12013108)			
670361.89	4341770.80	54.86385	(09082123)	670583.20
4341770.80	85.30296 (12042224)			
670804.51	4341770.80	243.85930	(13122318)	671025.82
4341770.80	375.06209 (13012205)			
671689.75	4341770.80	144.03172	(09111517)	671911.06
4341770.80	104.45005 (12070821)			
672132.37	4341770.80	32.09011	(10091419)	672353.68
4341770.80	22.55069 (12081720)			
672574.99	4341770.80	26.30341	(09090320)	668148.79
4341935.76	11.39114 (12020606)			
668370.10	4341935.76	13.10173	(12020606)	668591.41
4341935.76	15.20407 (12020606)			
668812.72	4341935.76	17.57775	(12020606)	669034.03
4341935.76	20.49018 (12013107)			
669255.34	4341935.76	24.07330	(12013107)	669476.65
4341935.76	59.71689 (12013107)			
669697.96	4341935.76	55.58513	(10022420)	669919.27
4341935.76	44.08360 (13031507)			
670140.58	4341935.76	49.65761	(10070821)	670361.89
4341935.76	60.97370 (10082505)			

670583.20	4341935.76	159.29158	(10021319)	670804.51
4341935.76	230.09467	(11121118)		
671468.44	4341935.76	140.34861	(12041421)	671689.75
4341935.76	104.74374	(12081720)		
671911.06	4341935.76	98.26077	(09090320)	672132.37
4341935.76	32.47613	(13122317)		
672353.68	4341935.76	18.44099	(11092618)	672574.99
4341935.76	55.29819	(09102405)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 956

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

668148.79	4342100.72	11.58111	(13122120)	668370.10
4342100.72	13.51179	(13122120)		
668591.41	4342100.72	15.61952	(13122120)	668812.72
4342100.72	17.74848	(13122120)		
669034.03	4342100.72	20.65149	(13122120)	669255.34
4342100.72	24.19289	(13122120)		
669476.65	4342100.72	57.94668	(13122120)	669697.96
4342100.72	68.81924	(13122120)		
669919.27	4342100.72	72.86626	(11123022)	670140.58
4342100.72	61.62391	(11123022)		
670361.89	4342100.72	149.39563	(13122120)	670583.20
4342100.72	123.22108	(13020522)		
671468.44	4342100.72	75.02746	(12092518)	671689.75
4342100.72	69.38153	(10080120)		
671911.06	4342100.72	85.65936	(10080120)	672132.37
4342100.72	44.94734	(10080120)		
672353.68	4342100.72	24.02493	(10080120)	672574.99
4342100.72	57.06475	(10080120)		
668148.79	4342265.68	11.72591	(12011605)	668370.10
4342265.68	13.62236	(12011605)		

668591.41	4342265.68	14.75280	(12011605)	668812.72
4342265.68	16.88982	(12011605)		
669034.03	4342265.68	19.45455	(10013107)	669255.34
4342265.68	23.43317	(10013107)		
669476.65	4342265.68	28.13501	(11022224)	669697.96
4342265.68	34.94843	(11022224)		
669919.27	4342265.68	43.94675	(12121507)	670140.58
4342265.68	75.25380	(13020222)		
670361.89	4342265.68	78.07041	(13121207)	670583.20
4342265.68	116.41441	(10012405)		
670804.51	4342265.68	222.77853	(13121220)	671025.82
4342265.68	317.77585	(10021822)		
671247.13	4342265.68	373.02799	(11092521)	671468.44
4342265.68	85.77580	(09060505)		
671689.75	4342265.68	77.46490	(13052320)	671911.06
4342265.68	67.79525	(10080721)		
672132.37	4342265.68	67.20569	(11072320)	672353.68
4342265.68	46.74833	(13042019)		
672574.99	4342265.68	26.15140	(13020407)	668148.79
4342430.64	10.83917	(11022224)		
668370.10	4342430.64	12.78111	(11022224)	668591.41
4342430.64	13.52225	(11022224)		
668812.72	4342430.64	15.15029	(12121507)	669034.03
4342430.64	17.30241	(12121507)		
669255.34	4342430.64	20.24097	(13020222)	669476.65
4342430.64	25.75632	(12121918)		
669697.96	4342430.64	31.01480	(09010221)	669919.27
4342430.64	39.70951	(13120721)		
670140.58	4342430.64	49.79959	(10012405)	670361.89
4342430.64	67.88122	(10121606)		
670583.20	4342430.64	154.20381	(09122606)	670804.51
4342430.64	237.81526	(09021924)		
671025.82	4342430.64	366.70601	(11010908)	671247.13
4342430.64	80.98423	(13090121)		
671468.44	4342430.64	65.77225	(13031619)	671689.75
4342430.64	53.64365	(11121722)		
671911.06	4342430.64	39.81078	(10082519)	672132.37
4342430.64	65.47682	(12011618)		
672353.68	4342430.64	49.32238	(11011824)	672574.99
4342430.64	27.07309	(11011824)		
668148.79	4342595.60	10.88397	(12121507)	668370.10
4342595.60	11.83105	(09121623)		
668591.41	4342595.60	13.19525	(12121918)	668812.72
4342595.60	14.92703	(12121918)		
669034.03	4342595.60	17.00921	(09010221)	669255.34
4342595.60	19.98649	(13120721)		
669476.65	4342595.60	22.94258	(13120721)	669697.96
4342595.60	29.68306	(10012405)		
669919.27	4342595.60	34.91364	(13020221)	670140.58
4342595.60	47.57632	(12122805)		

670361.89	4342595.60	62.41292	(09120807)	670583.20
4342595.60	87.15505	(12012908)		
670804.51	4342595.60	140.74468	(09010721)	671025.82
4342595.60	234.52870	(12010922)		
671247.13	4342595.60	115.20453	(11121121)	671468.44
4342595.60	39.22342	(13082319)		
671689.75	4342595.60	24.75702	(10042105)	671911.06
4342595.60	24.23514	(12100619)		
672132.37	4342595.60	42.67693	(09060505)	672353.68
4342595.60	49.05655	(12011618)		

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 957

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

672574.99	4342595.60	24.73480	(12011618)	668148.79
4342760.56	11.08304	(13121207)		
668370.10	4342760.56	12.37925	(09010221)	668591.41
4342760.56	13.29134	(13022505)		
668812.72	4342760.56	15.11994	(13120721)	669034.03
4342760.56	17.58264	(12011005)		
669255.34	4342760.56	20.40260	(10012405)	669476.65
4342760.56	22.76610	(12010521)		
669697.96	4342760.56	30.31489	(13120522)	669919.27
4342760.56	36.12637	(13121220)		
670140.58	4342760.56	80.41935	(09120807)	670361.89
4342760.56	105.16595	(11021306)		
670583.20	4342760.56	65.82644	(09020308)	670804.51
4342760.56	87.34803	(11091105)		
671025.82	4342760.56	93.55440	(13081505)	671247.13
4342760.56	41.35108	(13100819)		
671468.44	4342760.56	32.76393	(09112608)	671689.75
4342760.56	28.21886	(12063021)		

671911.06	4342760.56	16.81144	(13012706)	672132.37
4342760.56	27.71452 (12100619)			
672353.68	4342760.56	63.95779	(12013023)	672574.99
4342760.56	44.08749 (09060505)			
668148.79	4342925.52	10.99316	(13120721)	668370.10
4342925.52	12.04924 (13120721)			
668591.41	4342925.52	13.61541	(10012405)	668812.72
4342925.52	14.88961 (10021907)			
669034.03	4342925.52	16.84916	(12123123)	669476.65
4342925.52	22.42465 (13120522)			
669697.96	4342925.52	28.12562	(13121220)	669919.27
4342925.52	56.81008 (09120807)			
670140.58	4342925.52	78.46123	(13120520)	670361.89
4342925.52	81.73951 (09021924)			
670583.20	4342925.52	103.23743	(09122607)	670804.51
4342925.52	114.85198 (10021819)			
671025.82	4342925.52	31.73734	(11012908)	671247.13
4342925.52	33.08322 (13100819)			
671468.44	4342925.52	21.93597	(13093018)	671689.75
4342925.52	20.18027 (13082319)			
671911.06	4342925.52	16.82079	(11030418)	672132.37
4342925.52	12.70650 (13012706)			
672353.68	4342925.52	30.75217	(13042320)	672574.99
4342925.52	51.96638 (11121722)			
668148.79	4343090.48	10.17151	(10012405)	668370.10
4343090.48	11.22473 (10021907)			
668591.41	4343090.48	13.21001	(12123123)	669476.65
4343090.48	20.10324 (09122606)			
669697.96	4343090.48	24.36863	(09120807)	669919.27
4343090.48	29.36931 (12021920)			
670140.58	4343090.48	57.81185	(13120521)	670361.89
4343090.48	39.99886 (09122608)			
670583.20	4343090.48	44.94733	(09120805)	670804.51
4343090.48	93.35514 (11010908)			
671025.82	4343090.48	22.97287	(09101024)	671247.13
4343090.48	24.94902 (12101007)			
671468.44	4343090.48	20.46848	(13090121)	671689.75
4343090.48	15.74523 (09112608)			
671911.06	4343090.48	14.07862	(12063021)	672132.37
4343090.48	11.69672 (11081119)			
672353.68	4343090.48	9.81366	(13012706)	672574.99
4343090.48	17.41118 (13042320)			
668148.79	4343255.44	9.99874	(12123123)	668370.10
4343255.44	10.92503 (13020221)			
668591.41	4343255.44	12.33666	(10121605)	669476.65
4343255.44	19.88060 (09120807)			
669697.96	4343255.44	22.62560	(12021920)	669919.27
4343255.44	26.52329 (13120521)			
670140.58	4343255.44	30.40961	(13021807)	670361.89
4343255.44	33.61661 (11121724)			

670583.20	4343255.44	35.29509	(09111523)	670804.51
4343255.44	42.08595 (11010908)			
671025.82	4343255.44	20.53577	(09101024)	671247.13
4343255.44	19.80446 (12101007)			
671468.44	4343255.44	19.54314	(12021724)	671689.75
4343255.44	13.18903 (09112608)			
671911.06	4343255.44	11.06848	(12063022)	672132.37
4343255.44	11.24073 (12063021)			
672353.68	4343255.44	9.29603	(11081119)	672574.99
4343255.44	7.80007 (13012706)			
668148.79	4343420.40	10.20043	(10121606)	668370.10
4343420.40	10.97183 (13120522)			

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 958

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

668591.41	4343420.40	11.70971	(12122805)	668812.72
4343420.40	12.93436 (13121220)			
669034.03	4343420.40	13.80393	(09122606)	669255.34
4343420.40	15.35557 (09120807)			
669476.65	4343420.40	17.14646	(10020205)	669697.96
4343420.40	21.13363 (13020224)			
669919.27	4343420.40	23.63073	(09021924)	670140.58
4343420.40	25.14841 (13021624)			
670361.89	4343420.40	28.17144	(09120805)	670583.20
4343420.40	30.08049 (10021819)			
670804.51	4343420.40	35.31246	(09022106)	671025.82
4343420.40	56.05299 (09020506)			
671247.13	4343420.40	28.45478	(10041523)	671468.44
4343420.40	15.32262 (12021724)			
671689.75	4343420.40	11.37650	(13093018)	671911.06
4343420.40	8.54904 (10100218)			

672132.37	4343420.40	8.47503	(10030721)	672353.68
4343420.40	7.67705 (12041819)			
672574.99	4343420.40	7.03848	(10042105)	668148.79
4343585.36	10.40663 (13120522)			
668370.10	4343585.36	11.20089	(12122805)	668591.41
4343585.36	11.26491 (13121220)			
668812.72	4343585.36	12.50448	(12012907)	669034.03
4343585.36	13.99941 (09120807)			
669255.34	4343585.36	15.30190	(10020205)	669476.65
4343585.36	16.75762 (11021306)			
669697.96	4343585.36	17.87509	(09120924)	669919.27
4343585.36	19.90797 (09011922)			
670140.58	4343585.36	22.14717	(11121724)	670361.89
4343585.36	24.42168 (10021822)			
670583.20	4343585.36	26.89535	(10021819)	670804.51
4343585.36	29.58361 (09022106)			
671025.82	4343585.36	31.30032	(09020506)	671247.13
4343585.36	28.99203 (10041523)			
671468.44	4343585.36	17.89710	(13122623)	671689.75
4343585.36	13.82409 (11071821)			
671911.06	4343585.36	11.14115	(09112608)	672132.37
4343585.36	8.39814 (12063022)			
672353.68	4343585.36	8.07367	(12063021)	672574.99
4343585.36	6.82820 (11030418)			
668148.79	4343750.32	10.03460	(13121220)	668370.10
4343750.32	10.67171 (09122606)			
668591.41	4343750.32	11.44247	(12012907)	668812.72
4343750.32	12.27950 (09120807)			
669034.03	4343750.32	13.95957	(10020205)	669255.34
4343750.32	15.17206 (13120520)			
669476.65	4343750.32	16.02047	(13120521)	669697.96
4343750.32	17.05047 (13021807)			
669919.27	4343750.32	18.44073	(13021624)	670140.58
4343750.32	20.18367 (10121220)			
670361.89	4343750.32	22.02030	(09111523)	670583.20
4343750.32	23.37766 (11010908)			
670804.51	4343750.32	24.98302	(12010922)	671025.82
4343750.32	26.31033 (13010421)			
671247.13	4343750.32	37.96110	(13021621)	671468.44
4343750.32	41.85778 (13122623)			
671689.75	4343750.32	43.07986	(13111705)	671911.06
4343750.32	26.60430 (12022623)			
672132.37	4343750.32	12.21653	(10102018)	672353.68
4343750.32	6.89367 (10030721)			
672574.99	4343750.32	7.24936	(12063021)	668148.79
4343915.28	9.24232 (09122606)			
668370.10	4343915.28	10.26236	(10011008)	668591.41
4343915.28	11.28768 (09120807)			
668812.72	4343915.28	12.11354	(10020205)	669034.03
4343915.28	13.41264 (13120520)			

669255.34	4343915.28	14.56482	(13120521)	669476.65
4343915.28	15.45088	(09021924)		
669697.96	4343915.28	16.08426	(13021619)	669919.27
4343915.28	17.16123	(11121724)		
670140.58	4343915.28	18.87899	(09120805)	670361.89
4343915.28	19.75974	(12111121)		
670583.20	4343915.28	21.69878	(11010908)	670804.51
4343915.28	22.63218	(12010922)		
671025.82	4343915.28	23.66936	(13010421)	671247.13
4343915.28	20.08490	(13021621)		
671468.44	4343915.28	37.45381	(13100819)	671689.75
4343915.28	37.39517	(09080521)		
671911.06	4343915.28	22.04590	(13082220)	672132.37
4343915.28	19.98964	(13121422)		

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 959

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672353.68	4343915.28	15.28463	(11092319)	672574.99
4343915.28	9.29170	(12063021)		
668148.79	4344080.24	9.04554	(10011008)	668370.10
4344080.24	9.82102	(09120807)		
668591.41	4344080.24	10.72997	(10020205)	668812.72
4344080.24	11.76417	(13120520)		
669034.03	4344080.24	12.63388	(13020224)	669255.34
4344080.24	13.73643	(09120924)		
669476.65	4344080.24	14.37233	(13021807)	669697.96
4344080.24	15.14541	(13021624)		
669919.27	4344080.24	16.21693	(10121220)	670140.58
4344080.24	17.95167	(10021822)		
670361.89	4344080.24	18.24899	(10021819)	670583.20
4344080.24	19.51527	(11010908)		

670804.51	4344080.24	20.60501	(12010922)	671025.82
4344080.24	42.29147 (13010421)			
671247.13	4344080.24	18.10810	(13021621)	671468.44
4344080.24	17.47313 (12021921)			
671689.75	4344080.24	22.43868	(11121121)	671911.06
4344080.24	10.23006 (11071821)			
672132.37	4344080.24	8.25427	(09112608)	672353.68
4344080.24	7.32107 (10100218)			
672574.99	4344080.24	6.30468	(13082319)	671464.71
4342094.27	74.47237 (11081719)			
671482.23	4342063.91	85.35643	(10093018)	671498.58
4342030.05	86.79406 (13122317)			
671513.75	4341991.52	94.04557	(12081720)	671541.78
4341964.66	93.85191 (10091419)			
671575.64	4341974.00	80.76928	(12081720)	671460.75
4342162.97	82.25676 (11082019)			
671451.00	4342187.35	78.02373	(09042919)	671510.73
4342219.66	71.35329 (10040819)			
671524.14	4342192.84	67.69016	(11082019)	671522.92
4342250.74	74.63238 (10082519)			
671599.11	4342252.57	68.33426	(13101918)	671627.76
4342256.84	68.35499 (13111420)			
671583.88	4342116.03	53.86142	(12092518)	671595.46
4342071.54	56.69653 (10093018)			
671663.12	4342056.30	62.56787	(12052221)	671600.94
4342030.09	57.60367 (11092618)			
671526.58	4342155.65	67.88483	(11082219)	671628.98
4342292.19	66.24374 (10082519)			
671641.78	4341980.71	77.62144	(09090320)	671666.77
4342018.51	71.92377 (13122317)			
671407.11	4342219.66	86.06784	(10082519)	671415.64
4342183.08	89.20632 (10040819)			
671635.08	4341706.42	152.22243	(09042621)	671693.59
4341710.08	134.63327 (12090723)			
671719.80	4341736.29	130.50670	(12090723)	671673.48
4341630.23	94.64597 (11051920)			
671888.04	4341936.22	108.27978	(09090320)	671977.64
4341952.07	74.57143 (09092920)			
672039.21	4341894.77	51.01354	(09090320)	671858.17
4341753.96	109.23500 (12041421)			
671922.78	4341634.49	98.10338	(09111517)	671613.74
4341791.15	148.04987 (12090723)			
671853.29	4341730.80	107.45825	(12041421)	671783.81
4341585.73	58.36184 (09042621)			
671783.20	4341546.72	73.46189	(11051920)	671769.18
4341461.38	72.10094 (13120120)			
671800.87	4341420.54	83.39970	(13120120)	671880.11
4341427.25	90.59992 (11051920)			
672012.39	4341504.66	38.09221	(12090723)	672084.31
4341547.94	44.04168 (09111517)			

671915.47	4341478.45	87.29729	(09042621)	671903.28
4341564.40	92.04998 (12090723)			
671863.05	4341522.34	97.17023	(09042621)	671830.13
4341336.43	83.01687 (12123124)			
671835.62	4341287.66	84.23756	(12123124)	671825.87
4341275.47	83.81088 (11010418)			
672136.73	4341370.56	21.15748	(13052920)	671920.34
4341307.17	71.89671 (13120120)			
671695.42	4341257.19	90.86034	(13011419)	671682.01
4341176.12	67.55886 (13042120)			
671991.66	4341196.23	62.36944	(10031019)	672022.14
4341231.59	54.40922 (13120120)			
671992.27	4341177.95	51.70239	(10031019)	671540.60
4341238.29	40.81133 (10012623)			
671575.34	4341177.95	33.53428	(11090420)	671454.65
4341196.23	36.61001 (13080221)			

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 960

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
671523.53	4341116.38	30.02669	(10080821)	671413.20
4341126.74	34.15022 (13062723)			
671471.11	4341064.57	28.56255	(11033119)	671601.55
4341050.55	42.36211 (10020121)			
671198.64	4341253.53	32.98993	(12072321)	671278.49
4341212.08	38.62042 (13072424)			
671230.34	4341132.84	31.31977	(12062623)	671073.08
4341271.82	30.81551 (13062721)			
671122.45	4341373.61	41.87170	(09090920)	671118.79
4341397.38	45.22894 (13090820)			
670978.40	4341324.15	35.31437	(09082024)	670932.85
4341394.21	45.40696 (13070322)			

670935.19	4341367.36	43.19862	(10101324)	671108.01
4340976.17	30.75912 (09082723)			
671286.67	4340978.51	27.60017	(09090305)	671675.37
4342488.78	42.98717 (10041606)			
671091.40	4342277.23	370.83869	(13081505)	671051.75
4342332.07	236.41175 (13083123)			
671051.75	4342369.20	264.35633	(13070420)	670953.04
4342360.76	243.35310 (13122624)			
670695.71	4342235.89	172.50267	(10012405)	670545.53
4342318.58	106.34340 (12123123)			
670711.74	4342488.16	165.02155	(11022822)	670648.30
4342501.73	131.68454 (10120105)			
670648.30	4342630.87	56.99620	(10071305)	670806.29
4342728.41	88.18138 (09100222)			
670688.15	4342739.41	50.34109	(11122808)	670804.92
4342427.55	231.86409 (09120924)			
670439.48	4342471.51	78.79803	(13121220)	670358.43
4342578.67	62.58694 (09122606)			
670546.64	4342662.47	101.31798	(11022822)	670537.03
4342595.15	109.31558 (10120105)			
670483.45	4342776.50	86.23252	(13082806)	670508.17
4342754.52	85.27364 (12012521)			
670517.79	4342868.54	82.92296	(09020308)	670545.27
4342850.69	70.87381 (09122608)			
670582.36	4342878.16	79.08985	(11011221)	670304.85
4342688.57	79.62849 (13020305)			
670039.70	4342661.10	41.25224	(12122805)	670156.48
4342673.46	46.69948 (13121220)			
670236.16	4342648.73	51.57867	(09122606)	670071.30
4342738.03	41.12424 (09122606)			
669990.24	4342753.14	38.46355	(13121220)	669928.42
4342742.15	36.47944 (12122805)			
669815.77	4342673.46	33.53107	(10121606)	669742.96
4342655.60	31.67272 (13020221)			
669791.04	4342744.90	32.75443	(13120522)	669696.25
4342731.16	30.49261 (10121606)			
669536.88	4342552.57	24.25078	(13120721)	671174.86
4342280.21	463.83269 (11121121)			
671068.38	4342169.93	1746.50973	(09120805)	670965.71
4342179.44	639.40244 (13121220)			
670815.50	4342198.45	249.56133	(10012405)	670737.55
4342097.68	184.81479 (13020522)			
670762.27	4342069.16	200.84117	(12020606)	670817.40
4342040.64	248.39935 (13022805)			
670895.36	4342025.43	361.84869	(13020523)	670979.02
4341915.15	354.20008 (10123023)			
671115.92	4341863.81	365.33791	(12010620)	671199.58
4341770.65	214.22444 (09012719)			
671222.39	4341377.07	63.22286	(09090305)	671714.84
4341392.28	87.67237 (11010418)			

671366.89	4341998.81	420.60697	(11121817)	671226.19
4342236.48	525.35900	(13010305)		
669098.44	4343411.59	14.13665	(12012907)	668908.63
4343364.56	13.50591	(13121220)		
668851.52	4343359.52	13.24634	(13121220)	668831.37
4343371.27	13.08447	(13121220)		
668733.94	4343302.41	12.85192	(13120522)	668686.91
4343199.95	13.11577	(10121606)		
668671.79	4343089.09	13.40121	(12010521)	668806.17
4343001.74	14.47786	(12123123)		
668918.71	4343025.26	15.37057	(10121606)	669024.53
4342942.95	16.54488	(12010521)		
669288.24	4342916.08	19.81913	(10121606)	669333.59
4342922.80	20.29177	(10121605)		
669365.51	4342978.23	20.18202	(13120522)	669336.95
4343151.23	18.05876	(13121220)		
669303.36	4343304.09	16.79892	(10011008)	669222.73
4343235.22	16.25779	(09122606)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 961

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP1 ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

669135.39	4343305.77	14.94715	(09122606)	

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 962

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000674 , L0000675
, L0000676 , L0000677 , L0000678 ,
L0000679 , L0000680 , L0000681 , L0000682 , L0000683
, L0000684 , L0000685 , L0000686 ,
L0000687 , L0000688 , L0000689 , L0000690 , L0000691
, L0000692 , L0000693 , L0000694 ,
L0000695 , L0000696 , L0000697 , L0000698 , L0000699
, L0000700 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)
668148.79	4340781.04	4.01598 (10123020)	668370.10
4340781.04	4.52109 (10123020)		
668591.41	4340781.04	4.94914 (12013021)	668812.72
4340781.04	5.37216 (10121507)		
669034.03	4340781.04	5.97483 (11121118)	669255.34
4340781.04	6.73271 (13011407)		
669476.65	4340781.04	7.34918 (12011319)	669697.96
4340781.04	7.90036 (12011319)		
669919.27	4340781.04	14.92907 (09120721)	670140.58
4340781.04	25.46437 (11021921)		
670361.89	4340781.04	25.72696 (09120721)	670583.20
4340781.04	20.17476 (13020608)		
670804.51	4340781.04	20.46123 (09013022)	671025.82
4340781.04	16.39959 (14010117)		
671247.13	4340781.04	15.82584 (10082219)	671468.44
4340781.04	23.01758 (09090920)		
671689.75	4340781.04	40.33118 (11120720)	671911.06
4340781.04	45.64349 (10020121)		
672132.37	4340781.04	28.41323 (12061920)	672353.68
4340781.04	48.45662 (11010418)		
672574.99	4340781.04	47.35029 (13120120)	668148.79
4340946.00	3.93175 (10021319)		
668370.10	4340946.00	4.46507 (13010219)	668591.41
4340946.00	4.94084 (10123020)		
668812.72	4340946.00	5.42758 (10123020)	669034.03
4340946.00	6.21327 (12013021)		
669255.34	4340946.00	6.96632 (10121507)	669476.65
4340946.00	7.63166 (11121118)		
669697.96	4340946.00	8.79784 (12011319)	669919.27

4340946.00	25.36614	(12011319)		
670140.58	4340946.00	25.33873	(13022521)	670361.89
4340946.00	28.09671	(11021921)		
670583.20	4340946.00	28.14061	(09120721)	670804.51
4340946.00	20.18114	(12020121)		
671025.82	4340946.00	15.08049	(12041321)	671247.13
4340946.00	14.66875	(09012522)		
671468.44	4340946.00	18.46619	(13012807)	671689.75
4340946.00	54.02660	(12051020)		
671911.06	4340946.00	71.05014	(13052221)	672132.37
4340946.00	24.24331	(11111217)		
672353.68	4340946.00	38.38674	(13120120)	672574.99
4340946.00	46.86519	(09042621)		
668148.79	4341110.96	4.03272	(10022221)	668370.10
4341110.96	4.40556	(09010222)		
668591.41	4341110.96	5.04692	(10021319)	668812.72
4341110.96	5.59232	(13010219)		
669034.03	4341110.96	6.31623	(11020620)	669255.34
4341110.96	6.97022	(10123020)		
669476.65	4341110.96	7.99386	(12013021)	669697.96
4341110.96	9.21925	(09120107)		
669919.27	4341110.96	10.33248	(13011407)	670140.58
4341110.96	28.76144	(12011319)		
670361.89	4341110.96	27.81046	(13122720)	670583.20
4341110.96	21.32436	(09120217)		
670804.51	4341110.96	14.21743	(12021208)	671025.82
4341110.96	12.22330	(12121421)		
671247.13	4341110.96	15.77227	(12050719)	671468.44
4341110.96	20.53282	(13012807)		
671689.75	4341110.96	86.51203	(11033119)	671911.06
4341110.96	85.62928	(12061920)		
672132.37	4341110.96	25.99160	(12050420)	672353.68
4341110.96	21.40426	(11051920)		
672574.99	4341110.96	46.01176	(10091119)	668148.79
4341275.92	4.15285	(10010308)		
668370.10	4341275.92	4.57518	(09012008)	668591.41
4341275.92	5.18291	(13012122)		
668812.72	4341275.92	5.91210	(10022221)	669034.03
4341275.92	6.83880	(09010222)		
669255.34	4341275.92	7.53406	(10021319)	669476.65
4341275.92	8.31381	(13010219)		
669697.96	4341275.92	9.44300	(10123020)	669919.27
4341275.92	27.44208	(13011407)		
670140.58	4341275.92	25.98582	(11121118)	670361.89
4341275.92	23.12039	(13011407)		
670583.20	4341275.92	14.03695	(13112708)	670804.51
4341275.92	12.80448	(12021208)		
671025.82	4341275.92	11.90679	(10022122)	671247.13
4341275.92	18.99414	(12050719)		
671468.44	4341275.92	62.04274	(11122708)	671689.75

4341275.92 136.76550 (10020121)

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 963

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000674 , L0000675
, L0000676 , L0000677 , L0000678 ,
L0000679 , L0000680 , L0000681 , L0000682 , L0000683
, L0000684 , L0000685 , L0000686 ,
L0000687 , L0000688 , L0000689 , L0000690 , L0000691
, L0000692 , L0000693 , L0000694 ,
L0000695 , L0000696 , L0000697 , L0000698 , L0000699
, L0000700 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
671911.06	4341275.92	111.65358	(11010418)	672132.37
4341275.92	24.80711 (12080720)			
672353.68	4341275.92	14.37578	(12081519)	672574.99
4341275.92	48.55405 (09111517)			
668148.79	4341440.88	4.20589	(11120619)	668370.10
4341440.88	4.69791 (11120619)			
668591.41	4341440.88	5.30362	(09021920)	668812.72
4341440.88	6.11412 (09021920)			
669034.03	4341440.88	6.94703	(10010308)	669255.34
4341440.88	7.65128 (13012122)			
669476.65	4341440.88	8.65069	(10022221)	669697.96
4341440.88	9.93650 (09010222)			
669919.27	4341440.88	29.68173	(10123020)	670140.58
4341440.88	24.05943 (10123020)			
670361.89	4341440.88	20.17596	(10021419)	670583.20
4341440.88	13.83519 (10100907)			
670804.51	4341440.88	16.66242	(13112708)	671025.82
4341440.88	13.57025 (11021919)			
671689.75	4341440.88	45.39690	(13011419)	671911.06
4341440.88	105.87630 (11051920)			

672132.37	4341440.88	22.13250	(10091119)	672353.68
4341440.88	23.75211	(09111517)		
672574.99	4341440.88	10.36376	(11120722)	668148.79
4341605.84	4.42335	(12013107)		
668370.10	4341605.84	4.91453	(12013107)	668591.41
4341605.84	5.46131	(12013107)		
668812.72	4341605.84	6.14091	(11120619)	669034.03
4341605.84	6.94000	(11120619)		
669255.34	4341605.84	7.86797	(11120619)	669476.65
4341605.84	8.92984	(09021920)		
669697.96	4341605.84	10.33307	(09021920)	669919.27
4341605.84	29.49364	(10022221)		
670140.58	4341605.84	26.96464	(10022221)	670361.89
4341605.84	18.44790	(12020808)		
670583.20	4341605.84	15.80046	(09011817)	670804.51
4341605.84	28.11005	(12013108)		
671025.82	4341605.84	20.60644	(13112708)	671689.75
4341605.84	65.70262	(13120120)		
671911.06	4341605.84	90.51682	(09111517)	672132.37
4341605.84	42.49585	(12041421)		
672353.68	4341605.84	31.93399	(11121817)	672574.99
4341605.84	10.15317	(13122317)		
668148.79	4341770.80	4.33753	(09123019)	668370.10
4341770.80	5.00225	(09123019)		
668591.41	4341770.80	5.41619	(09020407)	668812.72
4341770.80	6.12510	(09020407)		
669034.03	4341770.80	7.02979	(09020407)	669255.34
4341770.80	8.15246	(09020319)		
669476.65	4341770.80	9.30300	(12013107)	669697.96
4341770.80	30.56396	(11120619)		
669919.27	4341770.80	28.73467	(11120619)	670140.58
4341770.80	24.97662	(10022420)		
670361.89	4341770.80	16.78549	(10101307)	670583.20
4341770.80	25.52343	(09020408)		
670804.51	4341770.80	52.33899	(10123020)	671025.82
4341770.80	64.08136	(09021007)		
671689.75	4341770.80	116.54567	(09111517)	671911.06
4341770.80	78.32531	(11121817)		
672132.37	4341770.80	20.32489	(13120717)	672353.68
4341770.80	13.56230	(09012017)		
672574.99	4341770.80	10.66169	(12013019)	668148.79
4341935.76	4.16018	(13122120)		
668370.10	4341935.76	4.73652	(13122120)	668591.41
4341935.76	5.44382	(13122120)		
668812.72	4341935.76	6.24778	(13122120)	669034.03
4341935.76	7.20987	(13122120)		
669255.34	4341935.76	8.36231	(13122120)	669476.65
4341935.76	29.50328	(13120722)		
669697.96	4341935.76	26.82756	(13122120)	669919.27
4341935.76	19.70026	(11123022)		

4342100.72	25.45539	(12121918)		
671468.44	4342100.72	33.10574	(13012117)	671689.75
4342100.72	22.87467	(09112608)		
671911.06	4342100.72	33.69546	(09010407)	672132.37
4342100.72	19.13183	(11082219)		
672353.68	4342100.72	11.37122	(12110617)	672574.99
4342100.72	33.62153	(12071720)		
668148.79	4342265.68	4.24756	(11122522)	668370.10
4342265.68	4.89404	(11122522)		
668591.41	4342265.68	5.25564	(11122522)	668812.72
4342265.68	5.94497	(09021921)		
669034.03	4342265.68	6.77201	(12121507)	669255.34
4342265.68	7.96392	(12121507)		
669476.65	4342265.68	9.17760	(13020222)	669697.96
4342265.68	10.92915	(12121918)		
669919.27	4342265.68	12.91378	(13121207)	670140.58
4342265.68	18.19881	(12121918)		
670361.89	4342265.68	19.52332	(10021307)	670583.20
4342265.68	25.83826	(12010521)		
670804.51	4342265.68	40.56665	(13121220)	671025.82
4342265.68	195.38135	(13121208)		
671247.13	4342265.68	178.64489	(10021819)	671468.44
4342265.68	35.77332	(09010118)		
671689.75	4342265.68	27.69693	(11071821)	671911.06
4342265.68	25.24821	(11092521)		
672132.37	4342265.68	29.57501	(12011618)	672353.68
4342265.68	25.56385	(13052320)		
672574.99	4342265.68	9.18984	(12011618)	668148.79
4342430.64	3.98287	(12121507)		
668370.10	4342430.64	4.61947	(12121507)	668591.41
4342430.64	4.87702	(13020222)		
668812.72	4342430.64	5.41060	(12121918)	669034.03
4342430.64	6.09557	(12121918)		
669255.34	4342430.64	7.00480	(09010221)	669476.65
4342430.64	8.49215	(09022722)		
669697.96	4342430.64	9.78749	(13120721)	669919.27
4342430.64	11.83119	(13020107)		
670140.58	4342430.64	14.12710	(12010521)	670361.89
4342430.64	18.12412	(13120522)		
670583.20	4342430.64	38.70927	(09021821)	670804.51
4342430.64	53.28648	(13021622)		
671025.82	4342430.64	111.76116	(09010721)	671247.13
4342430.64	47.94295	(13070422)		
671468.44	4342430.64	27.83381	(11022720)	671689.75
4342430.64	20.08574	(13090121)		
671911.06	4342430.64	19.54961	(10102018)	672132.37
4342430.64	28.40116	(10101519)		
672353.68	4342430.64	14.55959	(12011618)	672574.99
4342430.64	8.32557	(11121722)		
668148.79	4342595.60	3.99967	(12121918)	668370.10

4342595.60	4.33200	(13121207)		
668591.41	4342595.60	4.78989	(09010221)	668812.72
4342595.60	5.34609	(09022722)		
669034.03	4342595.60	6.04763	(13120721)	669255.34
4342595.60	6.91513	(10021307)		
669476.65	4342595.60	7.76001	(10021907)	669697.96
4342595.60	9.54056	(12010521)		
669919.27	4342595.60	10.84760	(11121807)	670140.58
4342595.60	13.95374	(09021821)		
670361.89	4342595.60	17.12098	(13121220)	670583.20
4342595.60	73.14920	(12021920)		
670804.51	4342595.60	111.02718	(13021807)	671025.82
4342595.60	114.52729	(10021822)		
671247.13	4342595.60	75.81197	(13070420)	671468.44
4342595.60	17.66815	(12110118)		
671689.75	4342595.60	11.91841	(10020119)	671911.06
4342595.60	10.87629	(09112608)		
672132.37	4342595.60	17.95371	(11092521)	672353.68
4342595.60	24.58318	(11121722)		

*** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 965

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000674 , L0000675
 , L0000676 , L0000677 , L0000678 ,
 L0000679 , L0000680 , L0000681 , L0000682 , L0000683
 , L0000684 , L0000685 , L0000686 ,
 L0000687 , L0000688 , L0000689 , L0000690 , L0000691
 , L0000692 , L0000693 , L0000694 ,
 L0000695 , L0000696 , L0000697 , L0000698 , L0000699
 , L0000700 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672574.99	4342595.60	8.27966	(11121722)	668148.79
4342760.56	4.06312	(09022722)		

668370.10	4342760.56	4.51537	(13120721)	668591.41
4342760.56	4.81159 (13120721)			
668812.72	4342760.56	5.38408	(13020107)	669034.03
4342760.56	6.23908 (10021907)			
669255.34	4342760.56	7.10896	(10013121)	669476.65
4342760.56	7.80061 (11122519)			
669697.96	4342760.56	9.93153	(13120522)	669919.27
4342760.56	11.37826 (13121220)			
670140.58	4342760.56	34.40169	(12012907)	670361.89
4342760.56	62.01735 (13021622)			
670583.20	4342760.56	64.11482	(12121219)	670804.51
4342760.56	85.13588 (11011221)			
671025.82	4342760.56	78.65126	(12111121)	671247.13
4342760.56	28.29809 (10101520)			
671468.44	4342760.56	15.48315	(12110118)	671689.75
4342760.56	11.94420 (10020119)			
671911.06	4342760.56	8.71972	(09122822)	672132.37
4342760.56	11.47379 (13082319)			
672353.68	4342760.56	28.92967	(13082820)	672574.99
4342760.56	19.90782 (11121722)			
668148.79	4342925.52	4.00700	(10021307)	668370.10
4342925.52	4.39513 (13020107)			
668591.41	4342925.52	4.93280	(10021907)	668812.72
4342925.52	5.36665 (10013121)			
669034.03	4342925.52	6.01470	(13020221)	669476.65
4342925.52	7.75961 (09021821)			
669697.96	4342925.52	9.46670	(13121220)	669919.27
4342925.52	19.84758 (12012907)			
670140.58	4342925.52	54.45817	(13021622)	670361.89
4342925.52	64.77641 (13120521)			
670583.20	4342925.52	53.90534	(13021619)	670804.51
4342925.52	81.78846 (09010719)			
671025.82	4342925.52	27.28372	(10021819)	671247.13
4342925.52	22.91209 (12010922)			
671468.44	4342925.52	12.07325	(12110118)	671689.75
4342925.52	9.99340 (10020119)			
671911.06	4342925.52	8.04773	(11022319)	672132.37
4342925.52	6.92141 (10021018)			
672353.68	4342925.52	15.38089	(11092521)	672574.99
4342925.52	25.19582 (13082820)			
668148.79	4343090.48	3.75391	(10021907)	668370.10
4343090.48	4.13446 (10013121)			
668591.41	4343090.48	4.80099	(13020221)	669476.65
4343090.48	7.06895 (13121220)			
669697.96	4343090.48	7.87457	(09120807)	669919.27
4343090.48	9.27577 (13021622)			
670140.58	4343090.48	18.59828	(13121208)	670361.89
4343090.48	12.13556 (10011020)			
670583.20	4343090.48	13.42547	(11011221)	670804.51
4343090.48	45.46031 (09100222)			

671025.82	4343090.48	19.35077	(13070422)	671247.13
4343090.48	16.57025	(12010922)		
671468.44	4343090.48	10.84574	(12110118)	671689.75
4343090.48	8.53973	(13031822)		
671911.06	4343090.48	7.21060	(09021120)	672132.37
4343090.48	6.46528	(13032522)		
672353.68	4343090.48	5.63913	(10030721)	672574.99
4343090.48	8.56268	(11030418)		
668148.79	4343255.44	3.68967	(13020221)	668370.10
4343255.44	4.03831	(11122519)		
668591.41	4343255.44	4.52750	(13120522)	669476.65
4343255.44	6.64556	(09120807)		
669697.96	4343255.44	7.45654	(13021622)	669919.27
4343255.44	8.56668	(11121007)		
670140.58	4343255.44	9.66308	(13122921)	670361.89
4343255.44	10.53939	(09122608)		
670583.20	4343255.44	11.23275	(10121220)	670804.51
4343255.44	12.71820	(10021819)		
671025.82	4343255.44	18.36011	(13070422)	671247.13
4343255.44	13.57932	(11112017)		
671468.44	4343255.44	10.57322	(12110118)	671689.75
4343255.44	7.64523	(13031822)		
671911.06	4343255.44	6.39064	(09060521)	672132.37
4343255.44	5.99103	(13050520)		
672353.68	4343255.44	5.62774	(10021018)	672574.99
4343255.44	4.71895	(10021919)		
668148.79	4343420.40	3.76111	(11121807)	668370.10
4343420.40	4.03708	(13120522)		

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 966

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000674 , L0000675
 , L0000676 , L0000677 , L0000678 ,
 L0000679 , L0000680 , L0000681 , L0000682 , L0000683
 , L0000684 , L0000685 , L0000686 ,
 L0000687 , L0000688 , L0000689 , L0000690 , L0000691
 , L0000692 , L0000693 , L0000694 ,
 L0000695 , L0000696 , L0000697 , L0000698 , L0000699
 , L0000700 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)
668591.41	4343420.40	4.30688 (09021821)	668812.72
4343420.40	4.72393 (13121220)		
669034.03	4343420.40	4.84197 (13121220)	669255.34
4343420.40	5.26341 (09120807)		
669476.65	4343420.40	5.83260 (13123019)	669697.96
4343420.40	7.10359 (13120520)		
669919.27	4343420.40	7.82944 (13120521)	670140.58
4343420.40	8.25615 (09011922)		
670361.89	4343420.40	9.09769 (11011221)	670583.20
4343420.40	9.84143 (09010722)		
670804.51	4343420.40	11.38913 (10021819)	671025.82
4343420.40	44.34474 (13070420)		
671247.13	4343420.40	22.01840 (11012908)	671468.44
4343420.40	9.21586 (12110118)		
671689.75	4343420.40	7.20408 (13031822)	671911.06
4343420.40	5.94168 (09060521)		
672132.37	4343420.40	5.30035 (09122822)	672353.68
4343420.40	4.76141 (13032522)		
672574.99	4343420.40	4.42723 (10030721)	668148.79
4343585.36	3.84159 (09021821)		
668370.10	4343585.36	4.12804 (13121220)	668591.41
4343585.36	4.16959 (13121220)		
668812.72	4343585.36	4.33383 (12012907)	669034.03
4343585.36	4.82348 (09120807)		
669255.34	4343585.36	5.24350 (13123019)	669476.65
4343585.36	5.75640 (13120520)		
669697.96	4343585.36	6.14391 (13120521)	669919.27
4343585.36	6.77126 (10011020)		
670140.58	4343585.36	7.44872 (09122608)	670361.89
4343585.36	8.13958 (10121220)		
670583.20	4343585.36	8.81165 (10021822)	670804.51
4343585.36	9.68692 (10021819)		
671025.82	4343585.36	10.30209 (12010922)	671247.13
4343585.36	23.40305 (11012908)		
671468.44	4343585.36	10.80376 (09061620)	671689.75
4343585.36	8.41179 (10121422)		
671911.06	4343585.36	6.37097 (10020119)	672132.37
4343585.36	5.52529 (09021120)		
672353.68	4343585.36	4.58845 (11081319)	672574.99
4343585.36	4.38529 (11052220)		
668148.79	4343750.32	3.71353 (13121220)	668370.10
4343750.32	3.96418 (13121220)		
668591.41	4343750.32	3.98296 (12012907)	668812.72

4343750.32	4.26513	(09120807)		
669034.03	4343750.32	4.83598	(13123019)	669255.34
4343750.32	5.25293	(13120520)		
669476.65	4343750.32	5.48669	(13120521)	669697.96
4343750.32	5.86639	(13122921)		
669919.27	4343750.32	6.33859	(13021619)	670140.58
4343750.32	6.93953	(11011221)		
670361.89	4343750.32	7.65251	(09010719)	670583.20
4343750.32	7.68141	(10021819)		
670804.51	4343750.32	8.44518	(11010908)	671025.82
4343750.32	8.91589	(12010922)		
671247.13	4343750.32	12.84502	(13010421)	671468.44
4343750.32	18.06547	(12021921)		
671689.75	4343750.32	26.19974	(13100819)	671911.06
4343750.32	17.30167	(11121121)		
672132.37	4343750.32	7.21630	(13090121)	672353.68
4343750.32	5.11094	(13050520)		
672574.99	4343750.32	4.66939	(10021018)	668148.79
4343915.28	3.37378	(13121220)		
668370.10	4343915.28	3.59424	(10011008)	668591.41
4343915.28	3.95445	(09120807)		
668812.72	4343915.28	4.22595	(13123019)	669034.03
4343915.28	4.67684	(13120520)		
669255.34	4343915.28	5.04692	(13121208)	669476.65
4343915.28	5.34071	(13022220)		
669697.96	4343915.28	5.59026	(13021807)	669919.27
4343915.28	5.92887	(09122608)		
670140.58	4343915.28	6.51213	(09010721)	670361.89
4343915.28	6.98133	(10021822)		
670583.20	4343915.28	7.38558	(10021819)	670804.51
4343915.28	7.85446	(11010908)		
671025.82	4343915.28	8.27102	(12010922)	671247.13
4343915.28	8.12680	(13010421)		
671468.44	4343915.28	22.30529	(13021621)	671689.75
4343915.28	26.50637	(12021921)		
671911.06	4343915.28	14.21373	(10090419)	672132.37
4343915.28	12.12213	(09080521)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 967

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000674 , L0000675
 , L0000676 , L0000677 , L0000678 ,
 L0000679 , L0000680 , L0000681 , L0000682 , L0000683

, L0000684 , L0000685 , L0000686 ,
L0000687 , L0000688 , L0000689 , L0000690 , L0000691
, L0000692 , L0000693 , L0000694 ,
L0000695 , L0000696 , L0000697 , L0000698 , L0000699
, L0000700 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672353.68	4343915.28	8.40221	(13093018)	672574.99
4343915.28	6.45275 (09112608)			
668148.79	4344080.24	3.17620	(10011008)	668370.10
4344080.24	3.44419 (09120807)			
668591.41	4344080.24	3.76944	(13123019)	668812.72
4344080.24	4.12134 (12021920)			
669034.03	4344080.24	4.45898	(13121208)	669255.34
4344080.24	4.84875 (13120521)			
669476.65	4344080.24	5.00981	(10011020)	669697.96
4344080.24	5.28763 (13021619)			
669919.27	4344080.24	5.67538	(11011221)	670140.58
4344080.24	6.29576 (09010719)			
670361.89	4344080.24	6.29510	(10021822)	670583.20
4344080.24	6.84511 (10021819)			
670804.51	4344080.24	7.32031	(11010908)	671025.82
4344080.24	27.07555 (12010922)			
671247.13	4344080.24	7.55063	(13010421)	671468.44
4344080.24	6.65359 (13010421)			
671689.75	4344080.24	17.55012	(12021921)	671911.06
4344080.24	7.07969 (12011417)			
672132.37	4344080.24	5.52380	(09060521)	672353.68
4344080.24	5.42906 (09021120)			
672574.99	4344080.24	4.85835	(11081319)	671464.71
4342094.27	34.88393 (13012117)			
671482.23	4342063.91	35.66530	(09010118)	671498.58
4342030.05	36.21450 (11022720)			
671513.75	4341991.52	39.93747	(09061620)	671541.78
4341964.66	39.49458 (13071620)			
671575.64	4341974.00	30.31845	(09012017)	671460.75
4342162.97	30.88004 (13012117)			
671451.00	4342187.35	31.77970	(13012117)	671510.73
4342219.66	26.58785 (09061620)			
671524.14	4342192.84	24.02852	(10122221)	671522.92
4342250.74	28.89365 (13021621)			

671599.11	4342252.57	24.96673	(13100819)	671627.76
4342256.84	25.49491 (11121121)			
671583.88	4342116.03	18.93306	(10020119)	671595.46
4342071.54	18.98733 (10020119)			
671663.12	4342056.30	20.74053	(11081319)	671600.94
4342030.09	21.42010 (09060521)			
671526.58	4342155.65	22.61282	(10122221)	671628.98
4342292.19	28.23070 (11121121)			
671641.78	4341980.71	28.44919	(09012017)	671666.77
4342018.51	24.18702 (11092618)			
671407.11	4342219.66	40.73127	(11112017)	671415.64
4342183.08	39.38287 (11112017)			
671635.08	4341706.42	182.06257	(11051920)	671693.59
4341710.08	104.12934 (09042621)			
671719.80	4341736.29	91.53162	(09010407)	671673.48
4341630.23	81.76249 (13120120)			
671888.04	4341936.22	54.24159	(13122317)	671977.64
4341952.07	36.44757 (12013019)			
672039.21	4341894.77	24.76478	(13122317)	671858.17
4341753.96	53.53879 (12041421)			
671922.78	4341634.49	87.90794	(09111517)	671613.74
4341791.15	133.63421 (13052920)			
671853.29	4341730.80	53.83750	(09111517)	671783.81
4341585.73	43.58148 (13120120)			
671783.20	4341546.72	44.48237	(13120120)	671769.18
4341461.38	45.69487 (11010418)			
671800.87	4341420.54	50.64275	(11010418)	671880.11
4341427.25	122.61800 (13120120)			
672012.39	4341504.66	35.97346	(10091119)	672084.31
4341547.94	39.39643 (09111517)			
671915.47	4341478.45	101.41987	(09042621)	671903.28
4341564.40	95.56229 (13052920)			
671863.05	4341522.34	110.73401	(09042621)	671830.13
4341336.43	91.08029 (11010418)			
671835.62	4341287.66	108.36956	(13011419)	671825.87
4341275.47	110.26476 (13011419)			
672136.73	4341370.56	21.43969	(13052920)	671920.34
4341307.17	100.88411 (12050420)			
671695.42	4341257.19	130.04946	(10020121)	671682.01
4341176.12	89.19397 (13080221)			
671991.66	4341196.23	90.88894	(11010418)	672022.14
4341231.59	75.85061 (10031019)			
671992.27	4341177.95	76.52909	(12051820)	671540.60
4341238.29	35.13596 (11090720)			
671575.34	4341177.95	30.74747	(11090720)	671454.65
4341196.23	25.06474 (13012807)			
▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc				
	***	10/04/21		
*** AERMET - VERSION 14134 *** ***				
	***	13:59:48		

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP2 ***
 INCLUDING SOURCE(S): L0000674 , L0000675
 , L0000676 , L0000677 , L0000678 ,
 L0000679 , L0000680 , L0000681 , L0000682 , L0000683
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 L0000687 , L0000688 , L0000689 , L0000690 , L0000691
 , L0000692 , L0000693 , L0000694 ,
 L0000695 , L0000696 , L0000697 , L0000698 , L0000699
 , L0000700 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
671523.53	4341116.38	23.66026	(09011917)	671413.20
4341126.74	21.12554	(11111319)		
671471.11	4341064.57	19.97295	(13012807)	671601.55
4341050.55	43.09324	(13072522)		
671198.64	4341253.53	14.93752	(12121420)	671278.49
4341212.08	18.62032	(09012522)		
671230.34	4341132.84	14.92367	(12121420)	671073.08
4341271.82	12.05877	(12121421)		
671122.45	4341373.61	14.93674	(12121421)	671118.79
4341397.38	15.46206	(12121421)		
670978.40	4341324.15	12.18386	(11021919)	670932.85
4341394.21	13.27530	(11021919)		
670935.19	4341367.36	13.09862	(10021608)	671108.01
4340976.17	13.70469	(12050719)		
671286.67	4340978.51	15.45502	(09012522)	671675.37
4342488.78	15.69724	(10040319)		
671091.40	4342277.23	236.63786	(13021619)	671051.75
4342332.07	187.86852	(13021619)		
671051.75	4342369.20	183.53185	(10021222)	670953.04
4342360.76	162.20822	(13120521)		
670695.71	4342235.89	33.49030	(13020221)	670545.53
4342318.58	24.74717	(11121807)		
670711.74	4342488.16	102.73420	(12021920)	670648.30
4342501.73	89.13052	(13123019)		
670648.30	4342630.87	52.05185	(12012908)	670806.29

4342728.41	86.93570	(10021222)		
670688.15	4342739.41	47.70659	(09020222)	670804.92
4342427.55	52.56324	(13021622)		
670439.48	4342471.51	20.60986	(13121220)	670358.43
4342578.67	17.43314	(13121220)		
670546.64	4342662.47	78.38537	(13120520)	670537.03
4342595.15	77.85389	(13123019)		
670483.45	4342776.50	71.40384	(12012908)	670508.17
4342754.52	72.37190	(12012908)		
670517.79	4342868.54	71.91797	(13122921)	670545.27
4342850.69	68.18721	(13122921)		
670582.36	4342878.16	72.51994	(13021807)	670304.85
4342688.57	22.35464	(12012907)		
670039.70	4342661.10	12.49623	(13121220)	670156.48
4342673.46	13.98256	(13121220)		
670236.16	4342648.73	15.06008	(13121220)	670071.30
4342738.03	12.69697	(13121220)		
669990.24	4342753.14	11.97462	(13121220)	669928.42
4342742.15	11.43834	(13121220)		
669815.77	4342673.46	10.61585	(13120522)	669742.96
4342655.60	10.17798	(11122519)		
669791.04	4342744.90	10.48933	(09021821)	669696.25
4342731.16	9.95429	(13120522)		
669536.88	4342552.57	8.05426	(13020107)	671174.86
4342280.21	216.83179	(09010722)		
671068.38	4342169.93	149.13202	(11121807)	670965.71
4342179.44	70.01461	(13120522)		
670815.50	4342198.45	40.98643	(13020221)	670737.55
4342097.68	31.98465	(12121918)		
670762.27	4342069.16	32.93893	(12121507)	670817.40
4342040.64	36.07848	(12121507)		
670895.36	4342025.43	42.24506	(10013107)	670979.02
4341915.15	43.26752	(09021920)		
671115.92	4341863.81	55.49386	(13120722)	671199.58
4341770.65	57.92782	(11120619)		
671222.39	4341377.07	24.43560	(12101307)	671714.84
4341392.28	48.49152	(13011419)		
671366.89	4341998.81	349.91080	(12111121)	671226.19
4342236.48	218.60063	(09100222)		
669098.44	4343411.59	4.87107	(12012907)	668908.63
4343364.56	4.92260	(13121220)		
668851.52	4343359.52	4.84319	(13121220)	668831.37
4343371.27	4.78764	(13121220)		
668733.94	4343302.41	4.71849	(09021821)	668686.91
4343199.95	4.79182	(13120522)		
668671.79	4343089.09	4.88163	(13020221)	668806.17
4343001.74	5.22657	(13020221)		
668918.71	4343025.26	5.54014	(11122519)	669024.53
4342942.95	5.92493	(11122519)		
669288.24	4342916.08	6.96025	(13120522)	669333.59

4342922.80 7.11890 (13120522)
669365.51 4342978.23 7.09636 (09021821) 669336.95
4343151.23 6.45152 (13121220)
669303.36 4343304.09 5.70825 (10011008) 669222.73
4343235.22 5.87918 (13121220)

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 969

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000674 , L0000675
, L0000676 , L0000677 , L0000678 ,
L0000679 , L0000680 , L0000681 , L0000682 , L0000683
, L0000684 , L0000685 , L0000686 ,
L0000687 , L0000688 , L0000689 , L0000690 , L0000691
, L0000692 , L0000693 , L0000694 ,
L0000695 , L0000696 , L0000697 , L0000698 , L0000699
, L0000700 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
669135.39	4343305.77	5.38231	(13121220)	

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 970

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP3 ***
INCLUDING SOURCE(S): L0000555 , L0000556
, L0000557 , L0000558 , L0000559 ,
L0000560 , L0000561 , L0000562 , L0000563 , L0000564
, L0000565 , L0000566 , L0000567 ,

, L0000573 L0000568 , L0000569 , L0000570 , L0000571 , L0000572
 L0000574 , L0000575 ,
 L0000576 , L0000577 , L0000578 , L0000579 , L0000580
 , L0000581 , L0000582 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4340781.04	3.44426	(13021307)	668370.10
4340781.04	4.54023	(09101922)		
668591.41	4340781.04	4.70502	(13010818)	668812.72
4340781.04	4.94131	(13020607)		
669034.03	4340781.04	4.81154	(10022222)	669255.34
4340781.04	4.68088	(10022222)		
669476.65	4340781.04	4.98099	(11122708)	669697.96
4340781.04	4.74020	(13010320)		
669919.27	4340781.04	6.15893	(09021007)	670140.58
4340781.04	10.02438	(12020121)		
670361.89	4340781.04	12.18629	(13021307)	670583.20
4340781.04	12.03351	(13010818)		
670804.51	4340781.04	12.95115	(13122018)	671025.82
4340781.04	12.11746	(13011907)		
671247.13	4340781.04	11.05860	(12062621)	671468.44
4340781.04	14.32325	(12110318)		
671689.75	4340781.04	17.32814	(12051420)	671911.06
4340781.04	17.16567	(11123117)		
672132.37	4340781.04	11.56582	(12061920)	672353.68
4340781.04	17.26921	(09033019)		
672574.99	4340781.04	14.10606	(13120120)	668148.79
4340946.00	2.23274	(12011319)		
668370.10	4340946.00	3.86354	(11012619)	668591.41
4340946.00	4.66199	(13010818)		
668812.72	4340946.00	4.92279	(13020607)	669034.03
4340946.00	4.97825	(13122018)		
669255.34	4340946.00	4.99790	(13010319)	669476.65
4340946.00	5.30227	(11122708)		
669697.96	4340946.00	6.04466	(13020607)	669919.27
4340946.00	8.93444	(10121121)		
670140.58	4340946.00	8.72551	(12010420)	670361.89
4340946.00	11.81917	(09013022)		
670583.20	4340946.00	14.19139	(13012822)	670804.51
4340946.00	13.87354	(13121008)		
671025.82	4340946.00	11.95185	(13011907)	671247.13

4340946.00	10.24710	(09102121)		
671468.44	4340946.00	11.84771	(12051020)	671689.75
4340946.00	20.46561	(10020121)		
671911.06	4340946.00	20.56124	(13042120)	672132.37
4340946.00	9.92267	(13092719)		
672353.68	4340946.00	16.20425	(11010418)	672574.99
4340946.00	13.09354	(13120120)		
668148.79	4341110.96	2.33909	(12011319)	668370.10
4341110.96	2.44799	(12011319)		
668591.41	4341110.96	5.10665	(13010818)	668812.72
4341110.96	5.43073	(13020607)		
669034.03	4341110.96	5.33752	(13122018)	669255.34
4341110.96	5.67354	(12021719)		
669476.65	4341110.96	5.45278	(13011907)	669697.96
4341110.96	6.30564	(10022721)		
669919.27	4341110.96	6.53556	(10022222)	670140.58
4341110.96	10.66659	(13122318)		
670361.89	4341110.96	13.88988	(12020121)	670583.20
4341110.96	13.39737	(09040420)		
670804.51	4341110.96	10.97435	(09042020)	671025.82
4341110.96	9.39091	(13121118)		
671247.13	4341110.96	12.37257	(09102318)	671468.44
4341110.96	13.21439	(11033119)		
671689.75	4341110.96	22.84562	(11123117)	671911.06
4341110.96	22.28381	(13011419)		
672132.37	4341110.96	10.52689	(12051820)	672353.68
4341110.96	11.35682	(12092719)		
672574.99	4341110.96	13.60933	(11051920)	668148.79
4341275.92	2.47132	(12011319)		
668370.10	4341275.92	2.95592	(13021307)	668591.41
4341275.92	5.65998	(13012822)		
668812.72	4341275.92	5.30187	(13010818)	669034.03
4341275.92	5.78334	(12122707)		
669255.34	4341275.92	5.38961	(13122018)	669476.65
4341275.92	5.58849	(12021719)		
669697.96	4341275.92	5.57584	(11122708)	669919.27
4341275.92	8.91398	(12122717)		
670140.58	4341275.92	12.57112	(10123021)	670361.89
4341275.92	13.16151	(12010420)		
670583.20	4341275.92	10.63705	(09010818)	670804.51
4341275.92	10.53136	(09102319)		
671025.82	4341275.92	9.47561	(13022822)	671247.13
4341275.92	17.05222	(12081721)		
671468.44	4341275.92	24.93254	(12051420)	671689.75
4341275.92	24.07998	(13011419)		
▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc				
	***	10/04/21		
*** AERMET - VERSION 14134 *** ***				
	***	13:59:48		

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP3 ***
 INCLUDING SOURCE(S): L0000555 , L0000556
 , L0000557 , L0000558 , L0000559 ,
 L0000560 , L0000561 , L0000562 , L0000563 , L0000564
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 L0000568 , L0000569 , L0000570 , L0000571 , L0000572
 , L0000573 , L0000574 , L0000575 ,
 L0000576 , L0000577 , L0000578 , L0000579 , L0000580
 , L0000581 , L0000582 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
671911.06	4341275.92	22.63027	(11010418)	672132.37
4341275.92	12.61067	(13072420)		
672353.68	4341275.92	8.36906	(13120120)	672574.99
4341275.92	13.51876	(09042621)		
668148.79	4341440.88	2.60154	(12011319)	668370.10
4341440.88	4.92765	(13012808)		
668591.41	4341440.88	5.89517	(11012619)	668812.72
4341440.88	5.16762	(11012619)		
669034.03	4341440.88	5.92795	(12122707)	669255.34
4341440.88	5.69798	(13122018)		
669476.65	4341440.88	5.91612	(13022822)	669697.96
4341440.88	6.76925	(13010818)		
669919.27	4341440.88	11.65084	(13122720)	670140.58
4341440.88	11.91693	(12011607)		
670361.89	4341440.88	12.12579	(11011819)	670583.20
4341440.88	10.22929	(12020121)		
670804.51	4341440.88	14.48046	(13012822)	671025.82
4341440.88	12.40635	(09071621)		
671689.75	4341440.88	16.78631	(11010418)	671911.06
4341440.88	21.42180	(10031019)		
672132.37	4341440.88	14.49870	(13120120)	672353.68
4341440.88	15.11762	(11051920)		
672574.99	4341440.88	9.52828	(13052920)	668148.79
4341605.84	6.04933	(10121518)		
668370.10	4341605.84	6.36966	(09013022)	668591.41
4341605.84	6.06821	(13021307)		

668812.72	4341605.84	5.62973	(11012619)	669034.03
4341605.84	5.71131 (13010818)			
669255.34	4341605.84	5.98617	(13121008)	669476.65
4341605.84	6.43047 (13122018)			
669697.96	4341605.84	7.41826	(13012822)	669919.27
4341605.84	12.23650 (09120107)			
670140.58	4341605.84	13.04220	(13122720)	670361.89
4341605.84	10.79300 (11012722)			
670583.20	4341605.84	11.32885	(13122918)	670804.51
4341605.84	21.69764 (13021307)			
671025.82	4341605.84	21.83612	(11012707)	671689.75
4341605.84	15.90584 (13120120)			
671911.06	4341605.84	17.46298	(13120120)	672132.37
4341605.84	21.51588 (11051920)			
672353.68	4341605.84	17.33577	(13052920)	672574.99
4341605.84	9.08283 (10091119)			
668148.79	4341770.80	3.52297	(11120617)	668370.10
4341770.80	6.50642 (12020121)			
668591.41	4341770.80	7.05997	(13021307)	668812.72
4341770.80	6.77346 (13012822)			
669034.03	4341770.80	6.15754	(13012822)	669255.34
4341770.80	6.95556 (12122707)			
669476.65	4341770.80	7.37041	(12122707)	669697.96
4341770.80	10.68523 (10022221)			
669919.27	4341770.80	12.00603	(11122718)	670140.58
4341770.80	11.44642 (10121507)			
670361.89	4341770.80	8.77601	(09072922)	670583.20
4341770.80	15.16755 (13021721)			
670804.51	4341770.80	27.31728	(09021007)	671025.82
4341770.80	34.56205 (13020607)			
671689.75	4341770.80	22.90689	(13120120)	671911.06
4341770.80	16.58859 (11051920)			
672132.37	4341770.80	15.54309	(13052920)	672353.68
4341770.80	9.17390 (10091119)			
672574.99	4341770.80	10.54168	(09111517)	668148.79
4341935.76	3.22915 (12011319)			
668370.10	4341935.76	3.32838	(12011319)	668591.41
4341935.76	7.71597 (09010818)			
668812.72	4341935.76	6.55145	(13021307)	669034.03
4341935.76	6.78252 (13021307)			
669255.34	4341935.76	7.44716	(09021007)	669476.65
4341935.76	9.17910 (13052822)			
669697.96	4341935.76	9.88735	(09021920)	669919.27
4341935.76	7.72497 (12010421)			
670140.58	4341935.76	7.86419	(13032321)	670361.89
4341935.76	9.67214 (09122317)			
670583.20	4341935.76	21.00999	(10121507)	670804.51
4341935.76	17.37107 (12011319)			
671468.44	4341935.76	39.93469	(11010418)	671689.75
4341935.76	30.27247 (11051920)			

671911.06 4341935.76 20.67042 (13052920) 672132.37
 4341935.76 12.17929 (10091119)
 672353.68 4341935.76 7.32680 (12101607) 672574.99
 4341935.76 12.58405 (13080821)
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 *** AERMET - VERSION 14134 ***
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PAGE 972

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP3 ***
 INCLUDING SOURCE(S): L0000555 , L0000556
 , L0000557 , L0000558 , L0000559 ,
 L0000560 , L0000561 , L0000562 , L0000563 , L0000564
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 L0000568 , L0000569 , L0000570 , L0000571 , L0000572
 , L0000573 , L0000574 , L0000575 ,
 L0000576 , L0000577 , L0000578 , L0000579 , L0000580
 , L0000581 , L0000582 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4342100.72	3.64708	(12011319)	668370.10
4342100.72	7.67404 (12010420)			
668591.41	4342100.72	7.09545	(12020121)	668812.72
4342100.72	6.70785 (09013022)			
669034.03	4342100.72	7.79226	(12122707)	669255.34
4342100.72	8.12813 (09120721)			
669476.65	4342100.72	9.29503	(13120722)	669697.96
4342100.72	11.08180 (09123019)			
669919.27	4342100.72	12.00085	(09020407)	670140.58
4342100.72	9.96888 (10022420)			
670361.89	4342100.72	18.64934	(13120722)	670583.20
4342100.72	11.94355 (09021920)			
671468.44	4342100.72	28.60214	(13120120)	671689.75
4342100.72	22.38051 (13052920)			
671911.06	4342100.72	18.44165	(10091119)	672132.37
4342100.72	15.55816 (09111517)			
672353.68	4342100.72	9.05499	(12041421)	672574.99

4342100.72	13.08980	(12041421)		
668148.79	4342265.68	4.05998	(12011319)	668370.10
4342265.68	8.83584	(13122318)		
668591.41	4342265.68	5.33281	(10121518)	668812.72
4342265.68	9.10766	(13021307)		
669034.03	4342265.68	9.38556	(13010818)	669255.34
4342265.68	7.82075	(10022721)		
669476.65	4342265.68	8.46532	(13122018)	669697.96
4342265.68	9.60724	(11120617)		
669919.27	4342265.68	10.54569	(13021307)	670140.58
4342265.68	11.12974	(13010818)		
670361.89	4342265.68	11.49232	(13011419)	670583.20
4342265.68	13.03389	(10031019)		
670804.51	4342265.68	20.24759	(10021907)	671025.82
4342265.68	44.62327	(11100120)		
671247.13	4342265.68	58.19495	(13120120)	671468.44
4342265.68	25.86350	(09042621)		
671689.75	4342265.68	19.91406	(10091119)	671911.06
4342265.68	18.74013	(13080821)		
672132.37	4342265.68	15.71746	(12041421)	672353.68
4342265.68	13.79899	(12070821)		
672574.99	4342265.68	12.36496	(11121817)	668148.79
4342430.64	4.05977	(11121118)		
668370.10	4342430.64	4.67145	(12011319)	668591.41
4342430.64	4.53470	(12011319)		
668812.72	4342430.64	4.50498	(12011319)	669034.03
4342430.64	4.59438	(12011319)		
669255.34	4342430.64	4.89823	(12011319)	669476.65
4342430.64	10.13628	(13021118)		
669697.96	4342430.64	10.34629	(09012719)	669919.27
4342430.64	11.02159	(11120721)		
670140.58	4342430.64	11.90442	(13011419)	670361.89
4342430.64	13.08158	(12050420)		
670583.20	4342430.64	18.78556	(09030720)	670804.51
4342430.64	27.93160	(13120521)		
671025.82	4342430.64	63.93127	(11010908)	671247.13
4342430.64	29.98519	(11051920)		
671468.44	4342430.64	19.32548	(09111517)	671689.75
4342430.64	16.78142	(12041421)		
671911.06	4342430.64	14.71407	(12070821)	672132.37
4342430.64	14.72996	(13080820)		
672353.68	4342430.64	15.30965	(11121817)	672574.99
4342430.64	8.06059	(10091419)		
668148.79	4342595.60	4.50421	(10123020)	668370.10
4342595.60	4.80997	(11121118)		
668591.41	4342595.60	5.18703	(12011319)	668812.72
4342595.60	5.35600	(12011319)		
669034.03	4342595.60	5.47045	(12011319)	669255.34
4342595.60	5.81114	(12011319)		
669476.65	4342595.60	6.06082	(12011319)	669697.96

4342595.60 11.99590 (12020122)
 669919.27 4342595.60 12.22826 (13011419) 670140.58
 4342595.60 13.77710 (09033019)
 670361.89 4342595.60 17.81385 (12010620) 670583.20
 4342595.60 17.84860 (10013121)
 670804.51 4342595.60 30.04180 (13120522) 671025.82
 4342595.60 69.82630 (12010922)
 671247.13 4342595.60 37.53744 (09080521) 671468.44
 4342595.60 11.91884 (09092922)
 671689.75 4342595.60 7.57552 (10010517) 671911.06
 4342595.60 7.17641 (09050719)
 672132.37 4342595.60 11.10039 (12081720) 672353.68
 4342595.60 15.38808 (12081720)
 ▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 973

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP3 ***
 INCLUDING SOURCE(S): L0000555 , L0000556
 , L0000557 , L0000558 , L0000559 ,
 L0000560 , L0000561 , L0000562 , L0000563 , L0000564
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 L0000568 , L0000569 , L0000570 , L0000571 , L0000572
 , L0000573 , L0000574 , L0000575 ,
 L0000576 , L0000577 , L0000578 , L0000579 , L0000580
 , L0000581 , L0000582 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672574.99	4342595.60	12.12620	(12081720)	668148.79
4342760.56	5.13594 (09010222)			
668370.10	4342760.56	5.80061	(10123020)	668591.41
4342760.56	6.18135 (10121507)			
668812.72	4342760.56	6.90618	(12011319)	669034.03
4342760.56	10.10802 (13021307)			
669255.34	4342760.56	14.62734	(13010319)	669476.65
4342760.56	8.44020 (12020122)			

669697.96	4342760.56	12.93565	(13010319)	669919.27
4342760.56	13.82292 (12020122)			
670140.58	4342760.56	13.79440	(13122720)	670361.89
4342760.56	18.10018 (12021920)			
670583.20	4342760.56	18.70356	(13020422)	670804.51
4342760.56	58.03173 (13122921)			
671025.82	4342760.56	39.61813	(12041421)	671247.13
4342760.56	13.05352 (11121121)			
671468.44	4342760.56	8.12455	(09050719)	671689.75
4342760.56	6.39714 (13120717)			
671911.06	4342760.56	5.07516	(13120717)	672132.37
4342760.56	6.27512 (09012017)			
672353.68	4342760.56	13.74462	(09090320)	672574.99
4342760.56	12.84265 (09092920)			
668148.79	4342925.52	5.63294	(09021920)	668370.10
4342925.52	6.44665 (10022221)			
668591.41	4342925.52	7.64475	(13010219)	668812.72
4342925.52	8.78826 (10121507)			
669034.03	4342925.52	9.76146	(12011319)	669476.65
4342925.52	15.54711 (09012719)			
669697.96	4342925.52	16.84904	(10121507)	669919.27
4342925.52	13.66042 (09021920)			
670140.58	4342925.52	15.88375	(09020319)	670361.89
4342925.52	21.36596 (12020622)			
670583.20	4342925.52	45.84832	(13092719)	670804.51
4342925.52	61.42230 (12111121)			
671025.82	4342925.52	11.02244	(11012908)	671247.13
4342925.52	10.98020 (13100819)			
671468.44	4342925.52	5.86242	(09012017)	671689.75
4342925.52	5.03485 (09012017)			
671911.06	4342925.52	4.11947	(13050720)	672132.37
4342925.52	3.55056 (12080719)			
672353.68	4342925.52	7.57619	(11121722)	672574.99
4342925.52	10.42650 (13032919)			
668148.79	4343090.48	5.68473	(12013107)	668370.10
4343090.48	6.70996 (12013107)			
668591.41	4343090.48	8.86070	(11120619)	669476.65
4343090.48	20.35078 (11010418)			
669697.96	4343090.48	26.49256	(12121322)	669919.27
4343090.48	24.48566 (09042621)			
670140.58	4343090.48	22.39900	(11121308)	670361.89
4343090.48	50.26217 (09042621)			
670583.20	4343090.48	43.41162	(09090320)	670804.51
4343090.48	33.94978 (09090320)			
671025.82	4343090.48	8.50806	(11012908)	671247.13
4343090.48	8.18258 (12021921)			
671468.44	4343090.48	5.08183	(11071821)	671689.75
4343090.48	3.90612 (10111922)			
671911.06	4343090.48	3.47447	(10111922)	672132.37
4343090.48	3.18147 (10111922)			

672353.68	4343090.48	2.77172	(10111922)	672574.99
4343090.48	3.69866 (11121722)			
668148.79	4343255.44	6.15762	(13020522)	668370.10
4343255.44	7.35518 (13020522)			
668591.41	4343255.44	9.50105	(13122120)	669476.65
4343255.44	27.16881 (12013107)			
669697.96	4343255.44	75.00886	(09111517)	669919.27
4343255.44	73.14364 (13122317)			
670140.58	4343255.44	75.93293	(12013019)	670361.89
4343255.44	44.36196 (12013019)			
670583.20	4343255.44	27.04618	(12013019)	670804.51
4343255.44	33.88100 (13122719)			
671025.82	4343255.44	7.73302	(13012117)	671247.13
4343255.44	6.24101 (12021921)			
671468.44	4343255.44	5.21016	(13090121)	671689.75
4343255.44	3.62009 (09112608)			
671911.06	4343255.44	2.93646	(13012708)	672132.37
4343255.44	2.76849 (13012708)			
672353.68	4343255.44	2.60071	(13012708)	672574.99
4343255.44	2.28597 (13012708)			
668148.79	4343420.40	6.86525	(09021921)	668370.10
4343420.40	8.12669 (12121507)			

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*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 974

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP3 ***
INCLUDING SOURCE(S): L0000555 , L0000556
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L0000560 , L0000561 , L0000562 , L0000563 , L0000564
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L0000568 , L0000569 , L0000570 , L0000571 , L0000572
, L0000573 , L0000574 , L0000575 ,
L0000576 , L0000577 , L0000578 , L0000579 , L0000580
, L0000581 , L0000582 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

- - - - -	668591.41	4343420.40	9.84071	(12121507)	668812.72
4343420.40	13.58649	(12121918)			
	669034.03	4343420.40	20.09848	(09010221)	669255.34
4343420.40	32.09907	(10021907)			
	669476.65	4343420.40	42.39291	(13121220)	669697.96
4343420.40	30.33887	(13121220)			
	669919.27	4343420.40	34.37894	(13031621)	670140.58
4343420.40	27.33479	(12071720)			
	670361.89	4343420.40	23.01047	(12071720)	670583.20
4343420.40	18.83980	(13020407)			
	670804.51	4343420.40	22.89874	(12071720)	671025.82
4343420.40	22.25267	(13010421)			
	671247.13	4343420.40	9.99780	(13071620)	671468.44
4343420.40	3.92040	(11121121)			
	671689.75	4343420.40	3.11682	(09122822)	671911.06
4343420.40	2.51761	(10021018)			
	672132.37	4343420.40	2.27726	(10102517)	672353.68
4343420.40	2.13333	(11051019)			
	672574.99	4343420.40	1.98248	(10102517)	668148.79
4343585.36	12.41249	(13121207)			
	668370.10	4343585.36	12.00340	(13120721)	668591.41
4343585.36	10.22083	(10021307)			
	668812.72	4343585.36	13.62404	(10013121)	669034.03
4343585.36	17.49356	(13121220)			
	669255.34	4343585.36	20.95192	(12010922)	669476.65
4343585.36	20.68846	(09121907)			
	669697.96	4343585.36	18.22841	(13120520)	669919.27
4343585.36	17.71756	(13122921)			
	670140.58	4343585.36	15.87449	(09122607)	670361.89
4343585.36	16.00703	(13052320)			
	670583.20	4343585.36	16.02983	(13031621)	670804.51
4343585.36	14.91225	(13031621)			
	671025.82	4343585.36	16.56111	(09010407)	671247.13
4343585.36	10.43340	(13071620)			
	671468.44	4343585.36	5.45148	(11121121)	671689.75
4343585.36	4.13162	(13082220)			
	671911.06	4343585.36	2.46571	(09112608)	672132.37
4343585.36	2.23017	(10030721)			
	672353.68	4343585.36	1.97984	(13021919)	672574.99
4343585.36	1.85462	(13021919)			
	668148.79	4343750.32	9.75324	(10013121)	668370.10
4343750.32	15.46783	(12010521)			
	668591.41	4343750.32	16.86151	(11122607)	668812.72
4343750.32	12.59356	(13021622)			
	669034.03	4343750.32	18.69323	(13123019)	669255.34
4343750.32	16.60425	(09122608)			
	669476.65	4343750.32	17.45822	(11121121)	669697.96
4343750.32	13.45288	(13120521)			
	669919.27	4343750.32	12.94602	(09122608)	670140.58

4343750.32	12.98790	(11121722)		
670361.89	4343750.32	12.03381	(12011618)	670583.20
4343750.32	13.40831	(12011618)		
670804.51	4343750.32	12.48692	(13052320)	671025.82
4343750.32	11.57253	(13052320)		
671247.13	4343750.32	10.16584	(12011618)	671468.44
4343750.32	9.24152	(13052320)		
671689.75	4343750.32	8.64470	(11021121)	671911.06
4343750.32	8.09469	(09111121)		
672132.37	4343750.32	3.44072	(11092319)	672353.68
4343750.32	2.07091	(12063021)		
672574.99	4343750.32	1.86878	(11030418)	668148.79
4343915.28	7.04753	(13020221)		
668370.10	4343915.28	14.20882	(13121220)	668591.41
4343915.28	14.69693	(12020622)		
668812.72	4343915.28	15.30215	(13021622)	669034.03
4343915.28	14.88896	(13022220)		
669255.34	4343915.28	13.03407	(09122607)	669476.65
4343915.28	12.14943	(11112017)		
669697.96	4343915.28	14.71169	(09121907)	669919.27
4343915.28	10.28545	(09122607)		
670140.58	4343915.28	13.82099	(13071420)	670361.89
4343915.28	13.63333	(11022219)		
670583.20	4343915.28	11.29535	(11121722)	670804.51
4343915.28	8.05490	(13041019)		
671025.82	4343915.28	8.32933	(12011618)	671247.13
4343915.28	9.59512	(12011618)		
671468.44	4343915.28	7.43969	(13041019)	671689.75
4343915.28	10.84988	(11021121)		
671911.06	4343915.28	7.13050	(13100219)	672132.37
4343915.28	6.00041	(10102018)		

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PAGE 975

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP3 ***
 INCLUDING SOURCE(S): L0000555 , L0000556
 , L0000557 , L0000558 , L0000559 ,
 L0000560 , L0000561 , L0000562 , L0000563 , L0000564
 , L0000565 , L0000566 , L0000567 ,
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 , L0000573 , L0000574 , L0000575 ,
 L0000576 , L0000577 , L0000578 , L0000579 , L0000580
 , L0000581 , L0000582 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672353.68	4343915.28	3.99752	(11092521)	672574.99
4343915.28	2.77692	(12063021)		
668148.79	4344080.24	7.71005	(13121220)	668370.10
4344080.24	10.96428	(09120807)		
668591.41	4344080.24	12.89455	(13021622)	668812.72
4344080.24	12.99078	(13120521)		
669034.03	4344080.24	12.02842	(09120808)	669255.34
4344080.24	10.83466	(10121220)		
669476.65	4344080.24	11.15469	(13010421)	669697.96
4344080.24	12.28126	(13082220)		
669919.27	4344080.24	12.47192	(11092521)	670140.58
4344080.24	8.96893	(11092319)		
670361.89	4344080.24	11.08371	(13071420)	670583.20
4344080.24	10.92914	(12100619)		
670804.51	4344080.24	8.92141	(13042320)	671025.82
4344080.24	8.82788	(13010421)		
671247.13	4344080.24	7.06870	(11121722)	671468.44
4344080.24	8.76899	(11121722)		
671689.75	4344080.24	7.95694	(09080521)	671911.06
4344080.24	3.26962	(13082220)		
672132.37	4344080.24	2.36086	(09112608)	672353.68
4344080.24	2.26348	(11092319)		
672574.99	4344080.24	1.88678	(12063021)	671464.71
4342094.27	30.57333	(13120120)		
671482.23	4342063.91	33.91745	(13120120)	671498.58
4342030.05	35.60154	(13120120)		
671513.75	4341991.52	38.02452	(10031019)	671541.78
4341964.66	37.46670	(10031019)		
671575.64	4341974.00	33.33152	(13120120)	671460.75
4342162.97	23.49746	(11092622)		
671451.00	4342187.35	23.23729	(11092622)	671510.73
4342219.66	22.67325	(09042621)		
671524.14	4342192.84	20.53754	(09042621)	671522.92
4342250.74	23.02990	(13052920)		
671599.11	4342252.57	20.48535	(10091119)	671627.76
4342256.84	20.84617	(10091119)		
671583.88	4342116.03	17.43278	(11051920)	671595.46
4342071.54	18.27867	(11051920)		
671663.12	4342056.30	22.35720	(09042621)	671600.94
4342030.09	23.03807	(11092622)		

671526.58	4342155.65	19.53883	(11051920)	671628.98
4342292.19	20.96084 (10091119)			
671641.78	4341980.71	29.28953	(11092622)	671666.77
4342018.51	26.10186 (11051920)			
671407.11	4342219.66	27.60090	(11092622)	671415.64
4342183.08	28.83067 (11092622)			
671635.08	4341706.42	23.44144	(13120120)	671693.59
4341710.08	20.23774 (13120120)			
671719.80	4341736.29	18.70995	(13120120)	671673.48
4341630.23	18.23371 (13120120)			
671888.04	4341936.22	19.76308	(09042621)	671977.64
4341952.07	20.08723 (10091119)			
672039.21	4341894.77	18.14752	(13052220)	671858.17
4341753.96	15.21861 (11051920)			
671922.78	4341634.49	17.45374	(13120120)	671613.74
4341791.15	25.34135 (10022220)			
671853.29	4341730.80	15.27876	(11051920)	671783.81
4341585.73	16.39346 (13120120)			
671783.20	4341546.72	16.35294	(13120120)	671769.18
4341461.38	16.23415 (11010418)			
671800.87	4341420.54	18.34446	(11010418)	671880.11
4341427.25	21.40772 (10031019)			
672012.39	4341504.66	20.37626	(13100619)	672084.31
4341547.94	21.11733 (11092622)			
671915.47	4341478.45	21.24846	(13120120)	671903.28
4341564.40	18.77807 (13120120)			
671863.05	4341522.34	18.62572	(13120120)	671830.13
4341336.43	19.40556 (11010418)			
671835.62	4341287.66	19.74159	(11010418)	671825.87
4341275.47	19.48388 (11010418)			
672136.73	4341370.56	11.87112	(12092719)	671920.34
4341307.17	24.02235 (11010418)			
671695.42	4341257.19	23.90295	(13011419)	671682.01
4341176.12	23.93531 (11123117)			
671991.66	4341196.23	22.33807	(11010418)	672022.14
4341231.59	22.64373 (11010418)			
671992.27	4341177.95	21.56178	(09033019)	671540.60
4341238.29	19.76014 (11120721)			
671575.34	4341177.95	16.28114	(11120721)	671454.65
4341196.23	17.43147 (11033119)			

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 976

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP3 ***

INCLUDING SOURCE(S): L0000555 , L0000556
 , L0000557 , L0000558 , L0000559 ,
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 L0000568 , L0000569 , L0000570 , L0000571 , L0000572
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 L0000576 , L0000577 , L0000578 , L0000579 , L0000580
 , L0000581 , L0000582 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
671523.53	4341116.38	13.61362	(10090519)	671413.20
4341126.74	15.22119 (12051020)			
671471.11	4341064.57	12.80645	(12020122)	671601.55
4341050.55	20.05244 (11120721)			
671198.64	4341253.53	12.18917	(12062621)	671278.49
4341212.08	15.56264 (09030720)			
671230.34	4341132.84	11.54639	(09102121)	671073.08
4341271.82	9.42968 (11122708)			
671122.45	4341373.61	13.38058	(12091321)	671118.79
4341397.38	14.44854 (13011918)			
670978.40	4341324.15	10.12313	(13022821)	670932.85
4341394.21	11.97408 (13120119)			
670935.19	4341367.36	11.58681	(13120119)	671108.01
4340976.17	10.33913 (10042420)			
671286.67	4340978.51	10.82349	(12081721)	671675.37
4342488.78	12.05297 (13052820)			
671091.40	4342277.23	63.48593	(13021621)	671051.75
4342332.07	52.97240 (09012719)			
671051.75	4342369.20	65.71743	(09012719)	670953.04
4342360.76	37.05624 (13021619)			
670695.71	4342235.89	17.05607	(11120721)	670545.53
4342318.58	13.28036 (12050420)			
670711.74	4342488.16	25.60768	(12021920)	670648.30
4342501.73	20.93299 (12010518)			
670648.30	4342630.87	13.07768	(12121508)	670806.29
4342728.41	46.96235 (13022220)			
670688.15	4342739.41	13.81153	(12011719)	670804.92
4342427.55	27.28959 (13020619)			
670439.48	4342471.51	14.09629	(12050420)	670358.43
4342578.67	16.85169 (12010620)			
670546.64	4342662.47	20.35016	(10021907)	670537.03

4342595.15	18.07486	(12010518)			
670483.45	4342776.50	22.09267	(13120522)		670508.17
4342754.52	21.64581	(13120522)			
670517.79	4342868.54	27.19372	(09120807)		670545.27
4342850.69	24.19737	(10013107)			
670582.36	4342878.16	32.00275	(13021622)		670304.85
4342688.57	14.91338	(13021307)			
670039.70	4342661.10	14.82374	(13011419)		670156.48
4342673.46	13.90390	(12121322)			
670236.16	4342648.73	16.54962	(13020607)		670071.30
4342738.03	15.75452	(12020121)			
669990.24	4342753.14	13.90138	(12020122)		669928.42
4342742.15	14.65455	(10020121)			
669815.77	4342673.46	13.23292	(12020122)		669742.96
4342655.60	12.29412	(09030720)			
669791.04	4342744.90	12.80438	(09102121)		669696.25
4342731.16	12.62990	(12021719)			
669536.88	4342552.57	5.89415	(12011319)		671174.86
4342280.21	74.35344	(11092521)			
671068.38	4342169.93	65.20586	(13120522)		670965.71
4342179.44	46.86581	(13121220)			
670815.50	4342198.45	20.66450	(12121507)		670737.55
4342097.68	15.76784	(09021920)			
670762.27	4342069.16	16.63041	(09010222)		670817.40
4342040.64	19.19065	(10121507)			
670895.36	4342025.43	24.96407	(12011319)		670979.02
4341915.15	22.47027	(13021307)			
671115.92	4341863.81	23.93302	(12010620)		671199.58
4341770.65	16.14817	(10020121)			
671222.39	4341377.07	23.24970	(12081721)		671714.84
4341392.28	19.11620	(11010418)			
671366.89	4341998.81	30.69645	(13052920)		671226.19
4342236.48	52.11642	(10022220)			
669098.44	4343411.59	22.93826	(13120721)		668908.63
4343364.56	15.53843	(12121507)			
668851.52	4343359.52	13.95097	(11122522)		668831.37
4343371.27	13.51920	(12121507)			
668733.94	4343302.41	11.53452	(13020522)		668686.91
4343199.95	10.35631	(09020319)			
668671.79	4343089.09	9.36722	(09021920)		668806.17
4343001.74	9.53676	(10123020)			
668918.71	4343025.26	11.14798	(10121507)		669024.53
4342942.95	10.04002	(12011319)			
669288.24	4342916.08	16.65696	(12010620)		669333.59
4342922.80	15.63000	(13021118)			
669365.51	4342978.23	16.65267	(09012719)		669336.95
4343151.23	19.26010	(10123020)			
669303.36	4343304.09	58.52569	(09010222)		669222.73
4343235.22	44.89969	(13011407)			

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 977
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP3 ***
INCLUDING SOURCE(S): L0000555 , L0000556
, L0000557 , L0000558 , L0000559 ,
L0000560 , L0000561 , L0000562 , L0000563 , L0000564
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L0000568 , L0000569 , L0000570 , L0000571 , L0000572
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L0000576 , L0000577 , L0000578 , L0000579 , L0000580
, L0000581 , L0000582 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
669135.39	4343305.77	29.11247	(13020522)	

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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 978
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP4 ***
INCLUDING SOURCE(S): L0000149 , L0000150
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, L0000167 , L0000168 , L0000169 ,
L0000170 , L0000171 , L0000172 , L0000173 , L0000174
, L0000175 , L0000176 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4340781.04	40.54504	(11120408)	668370.10
4340781.04	43.25180	(13121008)		
668591.41	4340781.04	42.41922	(13121008)	668812.72
4340781.04	39.00800	(11122708)		
669034.03	4340781.04	40.08075	(11122708)	669255.34
4340781.04	20.61784	(11122708)		
669476.65	4340781.04	17.97419	(09010608)	669697.96
4340781.04	13.10898	(12021708)		
669919.27	4340781.04	13.07564	(12021708)	670140.58
4340781.04	8.11912	(10123008)		
670361.89	4340781.04	12.54248	(10123008)	670583.20
4340781.04	10.94411	(10123008)		
670804.51	4340781.04	5.91684	(10123008)	671025.82
4340781.04	4.69372	(13122109)		
671247.13	4340781.04	3.81186	(13122109)	671468.44
4340781.04	2.53736	(12022509)		
671689.75	4340781.04	2.56615	(12022509)	671911.06
4340781.04	2.35321	(10072608)		
672132.37	4340781.04	3.57768	(13022308)	672353.68
4340781.04	7.02087	(13022308)		
672574.99	4340781.04	9.90770	(13022308)	668148.79
4340946.00	34.99518	(13121008)		
668370.10	4340946.00	72.72648	(13121008)	668591.41
4340946.00	68.52460	(13121008)		
668812.72	4340946.00	56.51995	(11122708)	669034.03
4340946.00	36.81187	(11122708)		
669255.34	4340946.00	24.81012	(11122708)	669476.65
4340946.00	18.74978	(09010608)		
669697.96	4340946.00	14.36623	(12021708)	669919.27
4340946.00	12.50838	(12021708)		
670140.58	4340946.00	11.97419	(10123008)	670361.89
4340946.00	14.27430	(10123008)		
670583.20	4340946.00	10.23047	(10123008)	670804.51
4340946.00	5.18212	(13122109)		
671025.82	4340946.00	4.67451	(13122109)	671247.13
4340946.00	3.09862	(13122109)		
671468.44	4340946.00	2.72694	(12022509)	671689.75
4340946.00	2.48228	(12022509)		
671911.06	4340946.00	5.11652	(13022308)	672132.37
4340946.00	6.57041	(13022308)		
672353.68	4340946.00	10.11095	(13022308)	672574.99

4340946.00	12.07874	(13022308)		
668148.79	4341110.96	34.23734	(13011308)	668370.10
4341110.96	72.11170	(13121008)		
668591.41	4341110.96	74.09041	(13121008)	668812.72
4341110.96	50.35228	(11122708)		
669034.03	4341110.96	48.47714	(11122708)	669255.34
4341110.96	44.01111	(11122708)		
669476.65	4341110.96	18.99663	(09010608)	669697.96
4341110.96	15.79173	(12021708)		
669919.27	4341110.96	13.30245	(12021708)	670140.58
4341110.96	14.26693	(10123008)		
670361.89	4341110.96	13.68992	(10123008)	670583.20
4341110.96	6.80670	(10123008)		
670804.51	4341110.96	5.62331	(13122109)	671025.82
4341110.96	4.06949	(13122109)		
671247.13	4341110.96	2.89802	(12022509)	671468.44
4341110.96	2.68104	(12022509)		
671689.75	4341110.96	5.97465	(13022308)	671911.06
4341110.96	9.32190	(13022308)		
672132.37	4341110.96	10.12605	(13022308)	672353.68
4341110.96	11.45249	(13022308)		
672574.99	4341110.96	12.13588	(13022308)	668148.79
4341275.92	76.03160	(11120408)		
668370.10	4341275.92	75.58563	(13121008)	668591.41
4341275.92	67.65665	(13121008)		
668812.72	4341275.92	36.76185	(13121008)	669034.03
4341275.92	22.43839	(11122708)		
669255.34	4341275.92	21.66150	(09010608)	669476.65
4341275.92	19.09185	(09010608)		
669697.96	4341275.92	17.97759	(12021708)	669919.27
4341275.92	11.88543	(10123008)		
670140.58	4341275.92	14.83716	(10123008)	670361.89
4341275.92	10.97665	(10123008)		
670583.20	4341275.92	6.54573	(13122109)	670804.51
4341275.92	5.28606	(13122109)		
671025.82	4341275.92	3.09558	(12022509)	671247.13
4341275.92	2.90450	(12022509)		
671468.44	4341275.92	6.73332	(13022308)	671689.75
4341275.92	11.16414	(13022308)		

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 979

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP4 ***
 INCLUDING SOURCE(S): L0000149 , L0000150

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, L0000151      , L0000152      , L0000153      ,
                  L0000154      , L0000155      , L0000156      , L0000157      , L0000158
, L0000159      , L0000160      , L0000161      ,
                  L0000162      , L0000163      , L0000164      , L0000165      , L0000166
, L0000167      , L0000168      , L0000169      ,
                  L0000170      , L0000171      , L0000172      , L0000173      , L0000174
, L0000175      , L0000176      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

671911.06	4341275.92	13.69298	(13022308)	672132.37
4341275.92	12.36220	(13022308)		
672353.68	4341275.92	10.32550	(13022308)	672574.99
4341275.92	9.93973	(13022308)		
668148.79	4341440.88	90.64904	(11120408)	668370.10
4341440.88	71.98137	(11120408)		
668591.41	4341440.88	61.61249	(13121008)	668812.72
4341440.88	30.80178	(13121008)		
669034.03	4341440.88	24.04862	(11122708)	669255.34
4341440.88	27.49617	(11122708)		
669476.65	4341440.88	18.55535	(09010608)	669697.96
4341440.88	18.28741	(12021708)		
669919.27	4341440.88	14.59362	(10123008)	670140.58
4341440.88	14.70009	(10123008)		
670361.89	4341440.88	7.56979	(10123008)	670583.20
4341440.88	6.74603	(13122109)		
670804.51	4341440.88	4.19831	(13122109)	671025.82
4341440.88	3.18788	(12022509)		
671689.75	4341440.88	16.20384	(13022308)	671911.06
4341440.88	15.40239	(13022308)		
672132.37	4341440.88	11.27150	(13022308)	672353.68
4341440.88	8.42772	(13022308)		
672574.99	4341440.88	7.11931	(13022308)	668148.79
4341605.84	72.65933	(13012808)		
668370.10	4341605.84	53.63152	(11120408)	668591.41
4341605.84	39.52798	(13121008)		
668812.72	4341605.84	35.69625	(13121008)	669034.03
4341605.84	32.53963	(11122708)		
669255.34	4341605.84	27.05427	(11122708)	669476.65
4341605.84	20.08079	(12021708)		
669697.96	4341605.84	17.74117	(12021708)	669919.27
4341605.84	16.82248	(10123008)		

670140.58	4341605.84	13.20103	(10123008)	670361.89
4341605.84	8.35038	(13122109)		
670583.20	4341605.84	5.83723	(13122109)	670804.51
4341605.84	3.81698	(13022308)		
671025.82	4341605.84	8.10998	(13022308)	671689.75
4341605.84	17.43008	(13022308)		
671911.06	4341605.84	13.59804	(13022308)	672132.37
4341605.84	8.61079	(13022308)		
672353.68	4341605.84	7.56565	(10121008)	672574.99
4341605.84	7.55463	(10121008)		
668148.79	4341770.80	112.93181	(13012808)	668370.10
4341770.80	45.89468	(13012808)		
668591.41	4341770.80	60.88475	(13121008)	668812.72
4341770.80	52.88256	(13121008)		
669034.03	4341770.80	35.14479	(11122708)	669255.34
4341770.80	23.72899	(09010608)		
669476.65	4341770.80	20.44042	(12021708)	669697.96
4341770.80	15.32642	(10123008)		
669919.27	4341770.80	17.54003	(10123008)	670140.58
4341770.80	9.88527	(13122109)		
670361.89	4341770.80	8.04134	(13122109)	670583.20
4341770.80	4.09240	(13122109)		
670804.51	4341770.80	11.48570	(13022308)	671025.82
4341770.80	18.00767	(13022308)		
671689.75	4341770.80	13.49341	(13022308)	671911.06
4341770.80	8.89745	(13022308)		
672132.37	4341770.80	8.41967	(10121008)	672353.68
4341770.80	7.69379	(10121008)		
672574.99	4341770.80	7.38437	(10121008)	668148.79
4341935.76	41.35746	(13012808)		
668370.10	4341935.76	125.04103	(11120408)	668591.41
4341935.76	74.85008	(11120408)		
668812.72	4341935.76	38.76163	(13121008)	669034.03
4341935.76	27.99325	(11122708)		
669255.34	4341935.76	22.72098	(09010609)	669476.65
4341935.76	19.51655	(12021708)		
669697.96	4341935.76	17.58002	(10123008)	669919.27
4341935.76	15.04664	(10123008)		
670140.58	4341935.76	10.89096	(13122109)	670361.89
4341935.76	6.17178	(13122109)		
670583.20	4341935.76	12.74912	(13022308)	670804.51
4341935.76	23.29248	(13022308)		
671468.44	4341935.76	12.47031	(13022308)	671689.75
4341935.76	10.20371	(10121008)		
671911.06	4341935.76	9.85075	(10121008)	672132.37
4341935.76	8.14461	(10121008)		
672353.68	4341935.76	6.73926	(12111008)	672574.99
4341935.76	6.47957	(12111008)		

▲ *** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 980

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP4 ***
INCLUDING SOURCE(S): L0000149 , L0000150
, L0000151 , L0000152 , L0000153 ,
L0000154 , L0000155 , L0000156 , L0000157 , L0000158
, L0000159 , L0000160 , L0000161 ,
L0000162 , L0000163 , L0000164 , L0000165 , L0000166
, L0000167 , L0000168 , L0000169 ,
L0000170 , L0000171 , L0000172 , L0000173 , L0000174
, L0000175 , L0000176 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4342100.72	81.51630	(13012808)	668370.10
4342100.72	93.77528	(12120808)		
668591.41	4342100.72	44.23612	(13012808)	668812.72
4342100.72	38.38821	(13121008)		
669034.03	4342100.72	27.03423	(11122708)	669255.34
4342100.72	26.27332	(09010609)		
669476.65	4342100.72	20.90635	(12021708)	669697.96
4342100.72	20.98850	(10123008)		
669919.27	4342100.72	14.47497	(13122109)	670140.58
4342100.72	9.61411	(13122109)		
670361.89	4342100.72	16.80064	(13022308)	670583.20
4342100.72	28.46696	(13022308)		
671468.44	4342100.72	10.98804	(10121008)	671689.75
4342100.72	10.04898	(10121008)		
671911.06	4342100.72	8.63625	(10121008)	672132.37
4342100.72	7.54544	(12111008)		
672353.68	4342100.72	6.29789	(12111008)	672574.99
4342100.72	5.60448	(12111008)		
668148.79	4342265.68	149.49866	(12120808)	668370.10
4342265.68	87.98232	(12120708)		
668591.41	4342265.68	138.45423	(13012808)	668812.72
4342265.68	108.76037	(13121008)		
669034.03	4342265.68	93.88518	(13121008)	669255.34

4342265.68	42.21286	(11122708)		
669476.65	4342265.68	33.39824	(10123008)	669697.96
4342265.68	25.97746	(10123008)		
669919.27	4342265.68	15.55933	(13122109)	670140.58
4342265.68	21.84465	(13022308)		
670361.89	4342265.68	34.78805	(13022308)	670583.20
4342265.68	32.54657	(13022308)		
670804.51	4342265.68	23.18401	(13022308)	671025.82
4342265.68	14.59592	(10121008)		
671247.13	4342265.68	13.19102	(10121008)	671468.44
4342265.68	10.10945	(12111008)		
671689.75	4342265.68	8.99235	(12111008)	671911.06
4342265.68	7.60437	(12111008)		
672132.37	4342265.68	6.27213	(12111008)	672353.68
4342265.68	4.96232	(12111008)		
672574.99	4342265.68	4.16107	(12111008)	668148.79
4342430.64	50.70646	(10122708)		
668370.10	4342430.64	146.35942	(13012808)	668591.41
4342430.64	70.46326	(13012808)		
668812.72	4342430.64	77.33302	(13121008)	669034.03
4342430.64	83.51391	(11122708)		
669255.34	4342430.64	63.59026	(11122708)	669476.65
4342430.64	57.88856	(10123008)		
669697.96	4342430.64	36.20487	(10123008)	669919.27
4342430.64	37.25710	(13022308)		
670140.58	4342430.64	44.89008	(13022308)	670361.89
4342430.64	37.97300	(13022308)		
670583.20	4342430.64	20.14989	(13022308)	670804.51
4342430.64	17.41218	(10121008)		
671025.82	4342430.64	13.88035	(10121008)	671247.13
4342430.64	10.63782	(12111008)		
671468.44	4342430.64	8.55067	(12111008)	671689.75
4342430.64	6.68834	(12111008)		
671911.06	4342430.64	5.17226	(12111008)	672132.37
4342430.64	4.45238	(12111009)		
672353.68	4342430.64	4.22996	(12111009)	672574.99
4342430.64	3.99851	(12111009)		
668148.79	4342595.60	66.40597	(10020808)	668370.10
4342595.60	71.05138	(10122708)		
668591.41	4342595.60	84.91098	(12120808)	668812.72
4342595.60	98.57467	(13121008)		
669034.03	4342595.60	110.92806	(11122708)	669255.34
4342595.60	85.39851	(11122708)		
669476.65	4342595.60	30.45864	(11122708)	669697.96
4342595.60	53.74120	(13022308)		
669919.27	4342595.60	55.92627	(13022308)	670140.58
4342595.60	43.69591	(13022308)		
670361.89	4342595.60	24.74043	(10121008)	670583.20
4342595.60	16.49524	(12111008)		
670804.51	4342595.60	14.02802	(12111008)	671025.82

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4342595.60      11.20850  (12111008)
      671247.13  4342595.60      7.91533  (12111008)      671468.44
4342595.60      6.34234  (12111009)
      671689.75  4342595.60      5.87720  (12111009)      671911.06
4342595.60      5.33565  (12111009)
      672132.37  4342595.60      4.75234  (12111009)      672353.68
4342595.60      4.19036  (12111009)
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
      ***      10/04/21
*** AERMET - VERSION 14134 *** ***
      ***      13:59:48

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PAGE 981

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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      *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP4 ***
      INCLUDING SOURCE(S):      L0000149      , L0000150
, L0000151      , L0000152      , L0000153      ,
      L0000154      , L0000155      , L0000156      , L0000157      , L0000158
, L0000159      , L0000160      , L0000161      ,
      L0000162      , L0000163      , L0000164      , L0000165      , L0000166
, L0000167      , L0000168      , L0000169      ,
      L0000170      , L0000171      , L0000172      , L0000173      , L0000174
, L0000175      , L0000176      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672574.99	4342595.60	3.74110	(12111009)	668148.79
4342760.56	95.67142 (10020808)			
668370.10	4342760.56	216.59088	(10122708)	668591.41
4342760.56	116.71733 (12120808)			
668812.72	4342760.56	213.74757	(11122708)	669034.03
4342760.56	218.77560 (11120408)			
669255.34	4342760.56	177.84050	(11122708)	669476.65
4342760.56	68.12338 (13022308)			
669697.96	4342760.56	67.63831	(13022308)	669919.27
4342760.56	44.22985 (13022308)			
670140.58	4342760.56	24.76882	(12111008)	670361.89
4342760.56	18.73461 (12111008)			
670583.20	4342760.56	11.91944	(12111008)	670804.51
4342760.56	9.89342 (12111009)			

671025.82	4342760.56	8.57393	(12111009)	671247.13
4342760.56	7.41951 (12111009)			
671468.44	4342760.56	6.31398	(12111009)	671689.75
4342760.56	5.33808 (12111009)			
671911.06	4342760.56	4.52002	(12111009)	672132.37
4342760.56	4.20507 (13010611)			
672353.68	4342760.56	6.00606	(13012708)	672574.99
4342760.56	6.73446 (13012708)			
668148.79	4342925.52	132.92643	(10020808)	668370.10
4342925.52	225.61018 (10020808)			
668591.41	4342925.52	289.78593	(10020808)	668812.72
4342925.52	323.49834 (11120408)			
669034.03	4342925.52	337.16365	(13012808)	669476.65
4342925.52	139.26813 (13022308)			
669697.96	4342925.52	43.29551	(12111008)	669919.27
4342925.52	25.74637 (12111008)			
670140.58	4342925.52	18.94705	(12111009)	670361.89
4342925.52	14.50727 (13012708)			
670583.20	4342925.52	16.72360	(13012708)	670804.51
4342925.52	14.90467 (13012708)			
671025.82	4342925.52	10.52192	(13012708)	671247.13
4342925.52	10.53133 (13012708)			
671468.44	4342925.52	9.23542	(13012708)	671689.75
4342925.52	8.96189 (13012708)			
671911.06	4342925.52	8.42079	(13012708)	672132.37
4342925.52	7.93445 (13012708)			
672353.68	4342925.52	10.41298	(13012708)	672574.99
4342925.52	12.18622 (13012708)			
668148.79	4343090.48	101.90275	(09020208)	668370.10
4343090.48	153.54443 (09020208)			
668591.41	4343090.48	410.59260	(09020208)	669476.65
4343090.48	158.53835 (13012708)			
669697.96	4343090.48	100.58580	(13012708)	669919.27
4343090.48	62.15365 (13012708)			
670140.58	4343090.48	40.49520	(13012708)	670361.89
4343090.48	44.42718 (13012708)			
670583.20	4343090.48	44.45112	(13012708)	670804.51
4343090.48	30.51296 (13012708)			
671025.82	4343090.48	20.11838	(13012708)	671247.13
4343090.48	18.69177 (13012708)			
671468.44	4343090.48	16.52907	(13012708)	671689.75
4343090.48	15.04952 (13012708)			
671911.06	4343090.48	13.84865	(13012708)	672132.37
4343090.48	12.84519 (13012708)			
672353.68	4343090.48	11.79925	(13012708)	672574.99
4343090.48	12.92725 (13012708)			
668148.79	4343255.44	103.97945	(13020108)	668370.10
4343255.44	156.77550 (11121308)			
668591.41	4343255.44	286.37198	(11121308)	669476.65
4343255.44	126.66343 (10112508)			

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668591.41	4343420.40	205.79669	(13123008)	668812.72
4343420.40	291.10088	(09122608)		
669034.03	4343420.40	305.85265	(11010908)	669255.34
4343420.40	154.34904	(11012908)		
669476.65	4343420.40	97.62256	(10112508)	669697.96

4343420.40	81.94984	(10112508)		
669919.27	4343420.40	76.81580	(10112508)	670140.58
4343420.40	76.13633	(10112508)		
670361.89	4343420.40	46.50091	(10112508)	670583.20
4343420.40	33.11711	(13011508)		
670804.51	4343420.40	26.16963	(13011508)	671025.82
4343420.40	16.77666	(13011508)		
671247.13	4343420.40	13.81799	(13011508)	671468.44
4343420.40	11.05247	(13011508)		
671689.75	4343420.40	9.38054	(13011508)	671911.06
4343420.40	7.86270	(13011508)		
672132.37	4343420.40	6.69276	(13011508)	672353.68
4343420.40	5.72367	(13011508)		
672574.99	4343420.40	4.88300	(13012708)	668148.79
4343585.36	201.65610	(12121508)		
668370.10	4343585.36	223.81136	(10011008)	668591.41
4343585.36	164.22970	(12012908)		
668812.72	4343585.36	232.73044	(09122608)	669034.03
4343585.36	204.57831	(11010908)		
669255.34	4343585.36	126.78826	(11012908)	669476.65
4343585.36	86.91485	(09112608)		
669697.96	4343585.36	89.25566	(10112508)	669919.27
4343585.36	99.47757	(10112508)		
670140.58	4343585.36	94.50722	(10112508)	670361.89
4343585.36	77.82213	(10112508)		
670583.20	4343585.36	55.91238	(10112508)	670804.51
4343585.36	30.75101	(10112508)		
671025.82	4343585.36	18.40611	(13011508)	671247.13
4343585.36	11.57894	(13011508)		
671468.44	4343585.36	10.78260	(13011508)	671689.75
4343585.36	10.37107	(13011508)		
671911.06	4343585.36	9.35515	(13011508)	672132.37
4343585.36	8.71835	(13011508)		
672353.68	4343585.36	8.00836	(13011508)	672574.99
4343585.36	7.35778	(13011508)		
668148.79	4343750.32	192.31118	(10011008)	668370.10
4343750.32	121.72099	(11121108)		
668591.41	4343750.32	150.97671	(09120808)	668812.72
4343750.32	188.18338	(09121008)		
669034.03	4343750.32	58.71410	(10110908)	669255.34
4343750.32	63.84388	(09112608)		
669476.65	4343750.32	87.40072	(09112608)	669697.96
4343750.32	51.37739	(09021308)		
669919.27	4343750.32	54.59037	(10112508)	670140.58
4343750.32	70.86408	(10112508)		
670361.89	4343750.32	70.93049	(10112508)	670583.20
4343750.32	71.02185	(10112508)		
670804.51	4343750.32	58.65280	(10112508)	671025.82
4343750.32	40.20647	(10112508)		
671247.13	4343750.32	14.51777	(10112508)	671468.44

4343750.32	9.36540	(13011508)		
671689.75	4343750.32	10.07185	(13011508)	671911.06
4343750.32	8.14704	(13011508)		
672132.37	4343750.32	7.29581	(13011508)	672353.68
4343750.32	6.86364	(13011508)		
672574.99	4343750.32	7.04175	(13011508)	668148.79
4343915.28	161.12118	(11121108)		
668370.10	4343915.28	119.59542	(12012908)	668591.41
4343915.28	78.25908	(11122808)		
668812.72	4343915.28	78.88718	(09121008)	669034.03
4343915.28	46.57981	(10110908)		
669255.34	4343915.28	41.48104	(09112608)	669476.65
4343915.28	59.66188	(09112608)		
669697.96	4343915.28	52.65802	(09112608)	669919.27
4343915.28	39.43610	(09021308)		
670140.58	4343915.28	39.72173	(13120708)	670361.89
4343915.28	37.27629	(10112508)		
670583.20	4343915.28	47.69453	(10112508)	670804.51
4343915.28	51.91485	(10112508)		
671025.82	4343915.28	40.10251	(10112508)	671247.13
4343915.28	42.97671	(10112508)		
671468.44	4343915.28	18.40196	(10112508)	671689.75
4343915.28	9.55498	(10112508)		
671911.06	4343915.28	4.29835	(10112508)	672132.37
4343915.28	3.99880	(13011508)		

^ *** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 983

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP4 ***
 INCLUDING SOURCE(S): L0000149 , L0000150
 , L0000151 , L0000152 , L0000153 ,
 L0000154 , L0000155 , L0000156 , L0000157 , L0000158
 , L0000159 , L0000160 , L0000161 ,
 L0000162 , L0000163 , L0000164 , L0000165 , L0000166
 , L0000167 , L0000168 , L0000169 ,
 L0000170 , L0000171 , L0000172 , L0000173 , L0000174
 , L0000175 , L0000176 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC	Y-COORD (M) CONC	CONC	(YYMMDDHH)	X-COORD (M)

672353.68	4343915.28	4.33709	(13011508)		672574.99
4343915.28	4.59514	(13011508)			
668148.79	4344080.24	154.99163	(12012908)		668370.10
4344080.24	141.89982	(09122608)			
668591.41	4344080.24	83.67524	(10121308)		668812.72
4344080.24	49.78558	(11010908)			
669034.03	4344080.24	37.90713	(10110908)		669255.34
4344080.24	26.31323	(09112608)			
669476.65	4344080.24	64.64084	(09112608)		669697.96
4344080.24	59.96211	(09112608)			
669919.27	4344080.24	36.27452	(09021308)		670140.58
4344080.24	35.27620	(09021308)			
670361.89	4344080.24	31.53321	(13120708)		670583.20
4344080.24	31.74902	(13120708)			
670804.51	4344080.24	26.40717	(13120708)		671025.82
4344080.24	18.36328	(10112508)			
671247.13	4344080.24	34.36209	(10112508)		671468.44
4344080.24	33.13678	(10112508)			
671689.75	4344080.24	14.01571	(10112508)		671911.06
4344080.24	7.24581	(10112508)			
672132.37	4344080.24	3.99476	(10112508)		672353.68
4344080.24	2.56754	(12101210)			
672574.99	4344080.24	2.64131	(12101210)		671464.71
4342094.27	11.03459	(10121008)			
671482.23	4342063.91	10.95261	(10121008)		671498.58
4342030.05	10.73485	(10121008)			
671513.75	4341991.52	10.42135	(10121008)		671541.78
4341964.66	10.16308	(10121008)			
671575.64	4341974.00	10.20374	(10121008)		671460.75
4342162.97	10.87060	(10121008)			
671451.00	4342187.35	10.80133	(10121008)		671510.73
4342219.66	10.01237	(10121008)			
671524.14	4342192.84	10.14725	(10121008)		671522.92
4342250.74	9.81423	(12111008)			
671599.11	4342252.57	9.48180	(12111008)		671627.76
4342256.84	9.34461	(12111008)			
671583.88	4342116.03	10.11183	(10121008)		671595.46
4342071.54	10.21918	(10121008)			
671663.12	4342056.30	10.29907	(10121008)		671600.94
4342030.09	10.36273	(10121008)			
671526.58	4342155.65	10.33881	(10121008)		671628.98
4342292.19	9.15781	(12111008)			
671641.78	4341980.71	10.30938	(10121008)		671666.77
4342018.51	10.39681	(10121008)			
671407.11	4342219.66	11.08127	(10121008)		671415.64
4342183.08	11.26531	(10121008)			

671635.08	4341706.42	16.52977	(13022308)	671693.59
4341710.08	15.45597	(13022308)		
671719.80	4341736.29	14.26103	(13022308)	671673.48
4341630.23	17.35437	(13022308)		
671888.04	4341936.22	9.96050	(10121008)	671977.64
4341952.07	9.42852	(10121008)		
672039.21	4341894.77	9.09384	(10121008)	671858.17
4341753.96	10.88655	(13022308)		
671922.78	4341634.49	12.63709	(13022308)	671613.74
4341791.15	14.41026	(13022308)		
671853.29	4341730.80	11.70370	(13022308)	671783.81
4341585.73	16.38936	(13022308)		
671783.20	4341546.72	16.70579	(13022308)	671769.18
4341461.38	16.59926	(13022308)		
671800.87	4341420.54	16.09631	(13022308)	671880.11
4341427.25	15.69704	(13022308)		
672012.39	4341504.66	12.51650	(13022308)	672084.31
4341547.94	10.73221	(13022308)		
671915.47	4341478.45	15.21626	(13022308)	671903.28
4341564.40	14.53912	(13022308)		
671863.05	4341522.34	15.79019	(13022308)	671830.13
4341336.43	14.78513	(13022308)		
671835.62	4341287.66	13.74666	(13022308)	671825.87
4341275.47	13.35705	(13022308)		
672136.73	4341370.56	11.80037	(13022308)	671920.34
4341307.17	14.14413	(13022308)		
671695.42	4341257.19	10.60510	(13022308)	671682.01
4341176.12	7.53428	(13022308)		
671991.66	4341196.23	12.54000	(13022308)	672022.14
4341231.59	13.21917	(13022308)		
671992.27	4341177.95	11.88005	(13022308)	671540.60
4341238.29	5.99350	(13022308)		
671575.34	4341177.95	4.68912	(13022308)	671454.65
4341196.23	3.56809	(13022308)		

▲ *** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21

*** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 984

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP4 ***
 INCLUDING SOURCE(S): L0000149 , L0000150
 , L0000151 , L0000152 , L0000153 ,
 L0000154 , L0000155 , L0000156 , L0000157 , L0000158
 , L0000159 , L0000160 , L0000161 ,
 L0000162 , L0000163 , L0000164 , L0000165 , L0000166
 , L0000167 , L0000168 , L0000169 ,

L0000170 , L0000171 , L0000172 , L0000173 , L0000174
 , L0000175 , L0000176 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

671523.53	4341116.38	2.66539	(13022308)	671413.20
4341126.74	2.75434 (12022509)			
671471.11	4341064.57	2.71633	(12022509)	671601.55
4341050.55	2.96632 (13022308)			
671198.64	4341253.53	2.99121	(12022509)	671278.49
4341212.08	2.89786 (12022509)			
671230.34	4341132.84	2.92169	(12022509)	671073.08
4341271.82	3.09151 (12022509)			
671122.45	4341373.61	3.05267	(12022509)	671118.79
4341397.38	3.13035 (13022308)			
670978.40	4341324.15	3.16178	(12022509)	670932.85
4341394.21	3.26410 (12022509)			
670935.19	4341367.36	3.25887	(13122109)	671108.01
4340976.17	4.03693 (13122109)			
671286.67	4340978.51	2.73185	(12022509)	671675.37
4342488.78	5.54638 (12111008)			
671091.40	4342277.23	14.39131	(10121008)	671051.75
4342332.07	14.36529 (10121008)			
671051.75	4342369.20	14.12750	(10121008)	670953.04
4342360.76	15.29640 (10121008)			
670695.71	4342235.89	28.53720	(13022308)	670545.53
4342318.58	32.57414 (13022308)			
670711.74	4342488.16	17.09238	(10121008)	670648.30
4342501.73	17.55828 (10121008)			
670648.30	4342630.87	14.33257	(12111008)	670806.29
4342728.41	9.60967 (12111008)			
670688.15	4342739.41	10.30160	(12111009)	670804.92
4342427.55	17.45734 (10121008)			
670439.48	4342471.51	28.97064	(13022308)	670358.43
4342578.67	24.93598 (10121008)			
670546.64	4342662.47	16.61910	(12111008)	670537.03
4342595.15	17.54827 (10121008)			
670483.45	4342776.50	13.93509	(12111008)	670508.17
4342754.52	14.29115 (12111008)			
670517.79	4342868.54	12.73072	(12111009)	670545.27
4342850.69	12.46459 (12111009)			
670582.36	4342878.16	11.91439	(12111009)	670304.85

4342688.57	22.86701	(10121008)		
670039.70	4342661.10	47.78999	(13022308)	670156.48
4342673.46	30.00306	(10121008)		
670236.16	4342648.73	27.43881	(10121008)	670071.30
4342738.03	31.44397	(10121008)		
669990.24	4342753.14	35.41172	(10121008)	669928.42
4342742.15	47.96674	(13022308)		
669815.77	4342673.46	67.36534	(13022308)	669742.96
4342655.60	65.49414	(13022308)		
669791.04	4342744.90	62.70772	(13022308)	669696.25
4342731.16	68.73026	(13022308)		
669536.88	4342552.57	27.14362	(13122109)	671174.86
4342280.21	13.85814	(10121008)		
671068.38	4342169.93	16.01098	(13022308)	670965.71
4342179.44	19.76731	(13022308)		
670815.50	4342198.45	26.07034	(13022308)	670737.55
4342097.68	28.61879	(13022308)		
670762.27	4342069.16	27.86559	(13022308)	670817.40
4342040.64	27.05146	(13022308)		
670895.36	4342025.43	26.28295	(13022308)	670979.02
4341915.15	24.06548	(13022308)		
671115.92	4341863.81	22.89441	(13022308)	671199.58
4341770.65	21.14953	(13022308)		
671222.39	4341377.07	4.74140	(13022308)	671714.84
4341392.28	15.23487	(13022308)		
671366.89	4341998.81	13.77650	(13022308)	671226.19
4342236.48	13.58836	(10121008)		
669098.44	4343411.59	287.02803	(11012908)	668908.63
4343364.56	386.58240	(09122608)		
668851.52	4343359.52	376.26514	(09120808)	668831.37
4343371.27	344.20270	(09120808)		
668733.94	4343302.41	424.49794	(12121508)	668686.91
4343199.95	485.57134	(12011208)		
668671.79	4343089.09	519.99565	(10020808)	668806.17
4343001.74	458.73919	(13011308)		
668918.71	4343025.26	414.20381	(13011308)	669024.53
4342942.95	384.26205	(11122708)		
669288.24	4342916.08	253.71358	(11122708)	669333.59
4342922.80	185.88011	(13022308)		
669365.51	4342978.23	219.94405	(13022308)	669336.95
4343151.23	233.23945	(13012708)		
669303.36	4343304.09	261.70793	(10112508)	669222.73
4343235.22	297.98692	(11012908)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP4 ***
INCLUDING SOURCE(S): L0000149 , L0000150
, L0000151 , L0000152 , L0000153 ,
L0000154 , L0000155 , L0000156 , L0000157 , L0000158
, L0000159 , L0000160 , L0000161 ,
L0000162 , L0000163 , L0000164 , L0000165 , L0000166
, L0000167 , L0000168 , L0000169 ,
L0000170 , L0000171 , L0000172 , L0000173 , L0000174
, L0000175 , L0000176 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
669135.39	4343305.77	368.08910	(11012908)	

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 986

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP5 ***
INCLUDING SOURCE(S): L0000408 , L0000409
, L0000410 , L0000411 , L0000412 ,
L0000413 , L0000414 , L0000415 , L0000416 , L0000417
, L0000418 , L0000419 , L0000420 ,
L0000421 , L0000422 , L0000423 , L0000424 , L0000425
, L0000426 , L0000427 , L0000428 ,
L0000429 , L0000430 , L0000431 , L0000432 , L0000433
, L0000434 , L0000435 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)

Y-COORD (M)	CONC	(YYMMDDHH)	
668148.79	4340781.04	5.80153	(13020419)
4340781.04	6.56571	(10021319)	668370.10
668591.41	4340781.04	7.28876	(13010219)
4340781.04	7.98950	(11122718)	668812.72
669034.03	4340781.04	9.02253	(12010418)
4340781.04	10.30970	(09122317)	669255.34
669476.65	4340781.04	11.52129	(11121118)
4340781.04	13.08633	(10010719)	669697.96
669919.27	4340781.04	48.81315	(12011319)
4340781.04	62.30195	(12122717)	670140.58
670361.89	4340781.04	63.08019	(09120217)
4340781.04	46.71636	(11102819)	670583.20
670804.51	4340781.04	46.59698	(09111419)
4340781.04	36.90652	(11012619)	671025.82
671247.13	4340781.04	32.79139	(10102519)
4340781.04	39.26740	(09102119)	671468.44
671689.75	4340781.04	52.13093	(11033119)
4340781.04	49.27342	(11123117)	671911.06
672132.37	4340781.04	29.17081	(09033019)
4340781.04	48.14450	(12091119)	672353.68
672574.99	4340781.04	55.53789	(11100718)
4340946.00	5.65107	(09012008)	668148.79
668370.10	4340946.00	6.39629	(13020419)
4340946.00	7.24330	(13020419)	668591.41
668812.72	4340946.00	8.03322	(10021319)
4340946.00	9.32552	(13010219)	669034.03
669255.34	4340946.00	10.64075	(11122718)
4340946.00	11.88098	(12010418)	669476.65
669697.96	4340946.00	16.54302	(11121118)
4340946.00	64.10816	(11121118)	669919.27
670140.58	4340946.00	68.05898	(12011319)
4340946.00	72.16313	(12122717)	670361.89
670583.20	4340946.00	70.72121	(09120217)
4340946.00	48.46004	(13020408)	670804.51
671025.82	4340946.00	35.91991	(11120408)
4340946.00	31.91129	(10082219)	671247.13
671468.44	4340946.00	35.41610	(09011917)
4340946.00	66.26227	(10090519)	671689.75
671911.06	4340946.00	76.64067	(13011419)
4340946.00	25.10904	(13100619)	672132.37
672353.68	4340946.00	36.30122	(11100718)
4340946.00	65.04204	(10091119)	672574.99
668148.79	4341110.96	5.71426	(10010308)
4341110.96	6.33064	(10010308)	668370.10
668591.41	4341110.96	7.34836	(10010308)
4341110.96	8.24782	(09012008)	668812.72
669034.03	4341110.96	9.35947	(09012008)
			669255.34

4341110.96	10.58313	(13020419)		
669476.65	4341110.96	12.36136	(10021319)	669697.96
4341110.96	20.95644	(12010418)		
669919.27	4341110.96	16.94860	(12010418)	670140.58
4341110.96	74.05298	(10020808)		
670361.89	4341110.96	73.36485	(10010719)	670583.20
4341110.96	52.98869	(13013119)		
670804.51	4341110.96	35.86030	(13010619)	671025.82
4341110.96	30.90533	(13010608)		
671247.13	4341110.96	37.59440	(12050719)	671468.44
4341110.96	40.57073	(09011917)		
671689.75	4341110.96	103.53817	(11123117)	671911.06
4341110.96	88.28694	(10031019)		
672132.37	4341110.96	25.55220	(12081519)	672353.68
4341110.96	25.61742	(10111117)		
672574.99	4341110.96	67.04391	(09111517)	668148.79
4341275.92	5.88326	(11120619)		
668370.10	4341275.92	6.56823	(11120619)	668591.41
4341275.92	7.51301	(11120619)		
668812.72	4341275.92	8.61192	(11120619)	669034.03
4341275.92	9.98080	(11120619)		
669255.34	4341275.92	11.33396	(10010308)	669476.65
4341275.92	12.70649	(09012008)		
669697.96	4341275.92	14.73680	(09012008)	669919.27
4341275.92	65.02420	(10021319)		
670140.58	4341275.92	64.51224	(13010219)	670361.89
4341275.92	58.25371	(10021419)		
670583.20	4341275.92	36.72521	(10020808)	670804.51
4341275.92	33.26960	(09112108)		
671025.82	4341275.92	32.75035	(11021919)	671247.13
4341275.92	44.99945	(09102417)		
671468.44	4341275.92	108.91946	(13111518)	671689.75
4341275.92	158.80833	(13092719)		

*** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21

*** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 987

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP5 ***
 INCLUDING SOURCE(S): L0000408 , L0000409
 , L0000410 , L0000411 , L0000412 ,
 L0000413 , L0000414 , L0000415 , L0000416 , L0000417
 , L0000418 , L0000419 , L0000420 ,
 L0000421 , L0000422 , L0000423 , L0000424 , L0000425
 , L0000426 , L0000427 , L0000428 ,
 L0000429 , L0000430 , L0000431 , L0000432 , L0000433

, L0000434 , L0000435 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
671911.06	4341275.92	109.53754	(11100718)	672132.37
4341275.92	31.21789	(10111117)		
672353.68	4341275.92	22.10784	(13022818)	672574.99
4341275.92	79.53154	(11121817)		
668148.79	4341440.88	5.93810	(09020319)	668370.10
4341440.88	6.69149	(09020319)		
668591.41	4341440.88	7.57437	(09020319)	668812.72
4341440.88	8.76985	(09020319)		
669034.03	4341440.88	10.04082	(09020319)	669255.34
4341440.88	11.22137	(11120619)		
669476.65	4341440.88	12.97659	(11120619)	669697.96
4341440.88	15.34004	(11120619)		
669919.27	4341440.88	69.50763	(11112619)	670140.58
4341440.88	58.43526	(09121708)		
670361.89	4341440.88	51.31975	(09012008)	670583.20
4341440.88	36.48135	(12020808)		
670804.51	4341440.88	45.96783	(09011817)	671025.82
4341440.88	39.38139	(10101719)		
671689.75	4341440.88	95.79914	(10031019)	671911.06
4341440.88	122.23170	(09040519)		
672132.37	4341440.88	33.28826	(09050719)	672353.68
4341440.88	34.12370	(11040519)		
672574.99	4341440.88	26.42922	(11040519)	668148.79
4341605.84	6.19441	(09123019)		
668370.10	4341605.84	6.94066	(09123019)	668591.41
4341605.84	7.80335	(09123019)		
668812.72	4341605.84	8.84110	(09123019)	669034.03
4341605.84	10.04635	(09123019)		
669255.34	4341605.84	11.53093	(09123019)	669476.65
4341605.84	13.27951	(09123019)		
669697.96	4341605.84	22.60120	(09020319)	669919.27
4341605.84	68.20519	(09123019)		
670140.58	4341605.84	64.57937	(09123019)	670361.89
4341605.84	47.02286	(09020208)		
670583.20	4341605.84	42.43622	(09020208)	670804.51
4341605.84	75.37022	(09020208)		
671025.82	4341605.84	61.34629	(10021408)	671689.75
4341605.84	111.30687	(11121817)		

671911.06	4341605.84	149.36991	(13122317)	672132.37
4341605.84	61.87457	(12013019)		
672353.68	4341605.84	51.09342	(12013019)	672574.99
4341605.84	18.84276	(12013019)		
668148.79	4341770.80	6.03044	(10010608)	668370.10
4341770.80	6.97966	(10010608)		
668591.41	4341770.80	7.61341	(10010608)	668812.72
4341770.80	8.65723	(10010608)		
669034.03	4341770.80	10.00455	(10010608)	669255.34
4341770.80	11.71024	(10010608)		
669476.65	4341770.80	23.06854	(10010608)	669697.96
4341770.80	63.59559	(12011408)		
669919.27	4341770.80	63.94209	(12011408)	670140.58
4341770.80	58.18698	(11122419)		
670361.89	4341770.80	42.37323	(13020108)	670583.20
4341770.80	64.70805	(12010519)		
670804.51	4341770.80	152.19079	(11121308)	671025.82
4341770.80	218.19849	(12121918)		
671689.75	4341770.80	143.86854	(12011618)	671911.06
4341770.80	125.46282	(12090419)		
672132.37	4341770.80	37.36669	(12110617)	672353.68
4341770.80	24.73104	(12110617)		
672574.99	4341770.80	15.66943	(13122719)	668148.79
4341935.76	5.75369	(11122419)		
668370.10	4341935.76	6.57181	(11122419)	668591.41
4341935.76	7.56330	(11122419)		
668812.72	4341935.76	8.67783	(11122419)	669034.03
4341935.76	10.06449	(12010519)		
669255.34	4341935.76	20.31471	(11122419)	669476.65
4341935.76	56.41098	(12010519)		
669697.96	4341935.76	52.53528	(11121308)	669919.27
4341935.76	42.04881	(11121308)		
670140.58	4341935.76	42.89569	(11122619)	670361.89
4341935.76	48.14010	(10112518)		
670583.20	4341935.76	107.12890	(10123118)	670804.51
4341935.76	56.18353	(11122519)		
671468.44	4341935.76	112.50777	(13100819)	671689.75
4341935.76	85.59099	(10101519)		
671911.06	4341935.76	91.38538	(11022219)	672132.37
4341935.76	32.02557	(10112508)		
672353.68	4341935.76	21.20879	(11081519)	672574.99
4341935.76	62.86128	(12090419)		

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▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 988

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP5 ***
INCLUDING SOURCE(S): L0000408 , L0000409
, L0000410 , L0000411 , L0000412 ,
L0000413 , L0000414 , L0000415 , L0000416 , L0000417
, L0000418 , L0000419 , L0000420 ,
L0000421 , L0000422 , L0000423 , L0000424 , L0000425
, L0000426 , L0000427 , L0000428 ,
L0000429 , L0000430 , L0000431 , L0000432 , L0000433
, L0000434 , L0000435 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)
668148.79	4342100.72	5.78026	(12010519)	668370.10
4342100.72	6.64556 (12010519)			
668591.41	4342100.72	7.62288	(11121308)	668812.72
4342100.72	8.63151 (11121308)			
669034.03	4342100.72	9.97037	(11121308)	669255.34
4342100.72	14.35548 (11121308)			
669476.65	4342100.72	54.52754	(12121918)	669697.96
4342100.72	61.66769 (10112518)			
669919.27	4342100.72	65.05229	(10123118)	670140.58
4342100.72	54.11510 (10010418)			
670361.89	4342100.72	94.02998	(10120618)	670583.20
4342100.72	34.17416 (12121508)			
671468.44	4342100.72	50.25068	(12011417)	671689.75
4342100.72	49.26479 (13082319)			
671911.06	4342100.72	74.09082	(13031619)	672132.37
4342100.72	41.78721 (11022219)			
672353.68	4342100.72	23.51563	(11081819)	672574.99
4342100.72	71.35474 (12011618)			
668148.79	4342265.68	5.79185	(11121308)	668370.10
4342265.68	6.64929 (12121918)			
668591.41	4342265.68	7.17836	(12121918)	668812.72
4342265.68	8.06830 (12121918)			
669034.03	4342265.68	8.99761	(12121918)	669255.34
4342265.68	10.68825 (12020919)			
669476.65	4342265.68	12.44352	(12020919)	669697.96
4342265.68	18.82978 (12020919)			
669919.27	4342265.68	20.76090	(10120618)	670140.58
4342265.68	41.03037 (11122519)			
670361.89	4342265.68	24.47686	(13123008)	670583.20

4342265.68	27.83755	(12010518)		
670804.51	4342265.68	36.57441	(12012908)	671025.82
4342265.68	133.95718	(10121308)		
671247.13	4342265.68	154.85556	(11010908)	671468.44
4342265.68	54.62569	(13121217)		
671689.75	4342265.68	58.22123	(13100219)	671911.06
4342265.68	54.80590	(10041619)		
672132.37	4342265.68	64.91529	(11083019)	672353.68
4342265.68	57.55029	(11022219)		
672574.99	4342265.68	14.45897	(12011618)	668148.79
4342430.64	5.32785	(12121918)		
668370.10	4342430.64	6.08311	(12121918)	668591.41
4342430.64	6.45865	(12020919)		
668812.72	4342430.64	7.25605	(12020919)	669034.03
4342430.64	8.12350	(12020919)		
669255.34	4342430.64	9.30415	(10120618)	669476.65
4342430.64	11.32276	(10120618)		
669697.96	4342430.64	12.90806	(11122519)	669919.27
4342430.64	15.26172	(12121508)		
670140.58	4342430.64	17.40538	(13123008)	670361.89
4342430.64	19.65024	(12010518)		
670583.20	4342430.64	73.40683	(13121208)	670804.51
4342430.64	88.56335	(09122608)		
671025.82	4342430.64	118.43494	(09121008)	671247.13
4342430.64	48.58446	(13032719)		
671468.44	4342430.64	44.76020	(13121217)	671689.75
4342430.64	37.51603	(13093018)		
671911.06	4342430.64	44.57183	(11092319)	672132.37
4342430.64	64.67383	(10101519)		
672353.68	4342430.64	43.03273	(12100619)	672574.99
4342430.64	11.52324	(11022219)		
668148.79	4342595.60	5.30417	(12020919)	668370.10
4342595.60	5.78843	(12020919)		
668591.41	4342595.60	6.31570	(12020919)	668812.72
4342595.60	7.04831	(10120618)		
669034.03	4342595.60	7.96755	(10120618)	669255.34
4342595.60	9.11502	(11122519)		
669476.65	4342595.60	10.19404	(14010208)	669697.96
4342595.60	12.30685	(13123008)		
669919.27	4342595.60	13.15416	(13123008)	670140.58
4342595.60	15.34968	(12010518)		
670361.89	4342595.60	18.57989	(11121108)	670583.20
4342595.60	71.70492	(13020619)		
670804.51	4342595.60	90.57893	(10110618)	671025.82
4342595.60	105.61489	(10021819)		
671247.13	4342595.60	83.32854	(11112017)	671468.44
4342595.60	28.26102	(13121217)		
671689.75	4342595.60	22.23159	(10040319)	671911.06
4342595.60	23.99320	(09112608)		
672132.37	4342595.60	39.51077	(13100718)	672353.68

4342595.60 58.35806 (13031619)

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 989

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP5 ***
INCLUDING SOURCE(S): L0000408 , L0000409
, L0000410 , L0000411 , L0000412 ,
L0000413 , L0000414 , L0000415 , L0000416 , L0000417
, L0000418 , L0000419 , L0000420 ,
L0000421 , L0000422 , L0000423 , L0000424 , L0000425
, L0000426 , L0000427 , L0000428 ,
L0000429 , L0000430 , L0000431 , L0000432 , L0000433
, L0000434 , L0000435 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672574.99	4342595.60	9.75833	(11022219)	668148.79
4342760.56	5.31463 (12020919)			
668370.10	4342760.56	5.92007	(10120618)	668591.41
4342760.56	6.36180 (10120618)			
668812.72	4342760.56	7.05710	(11122519)	669034.03
4342760.56	8.13766 (11122518)			
669255.34	4342760.56	9.17970	(12121508)	669476.65
4342760.56	10.04053 (13123008)			
669697.96	4342760.56	11.71347	(13123008)	669919.27
4342760.56	12.72491 (12010518)			
670140.58	4342760.56	57.58431	(11121108)	670361.89
4342760.56	73.29575 (12121219)			
670583.20	4342760.56	58.82418	(09122608)	670804.51
4342760.56	72.69285 (09010719)			
671025.82	4342760.56	73.49965	(10021819)	671247.13
4342760.56	36.27989 (11112017)			
671468.44	4342760.56	23.58225	(13051219)	671689.75
4342760.56	21.47792 (13111017)			
671911.06	4342760.56	17.45477	(13093018)	672132.37
4342760.56	25.11972 (11092319)			

672353.68	4342760.56	58.46449	(10101519)	672574.99
4342760.56	44.63385 (13031619)			
668148.79	4342925.52	5.30154	(10120618)	668370.10
4342925.52	5.71774 (11122519)			
668591.41	4342925.52	6.45132	(11122519)	668812.72
4342925.52	6.98043 (14010208)			
669034.03	4342925.52	7.78276	(12121508)	669476.65
4342925.52	8.99953 (13123008)			
669697.96	4342925.52	10.87182	(12010518)	669919.27
4342925.52	43.49728 (12011719)			
670140.58	4342925.52	63.94691	(11100319)	670361.89
4342925.52	67.85527 (09120808)			
670583.20	4342925.52	66.17819	(10110618)	670804.51
4342925.52	77.82789 (12011419)			
671025.82	4342925.52	29.30798	(11010908)	671247.13
4342925.52	31.36240 (11112017)			
671468.44	4342925.52	18.29622	(12110118)	671689.75
4342925.52	18.06035 (12011417)			
671911.06	4342925.52	15.30917	(13093018)	672132.37
4342925.52	13.01416 (09112608)			
672353.68	4342925.52	32.87733	(13100718)	672574.99
4342925.52	52.87984 (10101519)			
668148.79	4343090.48	4.92342	(11122519)	668370.10
4343090.48	5.40275 (11122518)			
668591.41	4343090.48	6.20250	(14010208)	669476.65
4343090.48	8.32541 (12010518)			
669697.96	4343090.48	9.53298	(12011719)	669919.27
4343090.48	11.14714 (12012908)			
670140.58	4343090.48	44.22582	(13020619)	670361.89
4343090.48	13.61271 (09122608)			
670583.20	4343090.48	14.63115	(09010719)	670804.51
4343090.48	61.54469 (12010118)			
671025.82	4343090.48	21.80652	(11010908)	671247.13
4343090.48	25.35187 (11012908)			
671468.44	4343090.48	16.25055	(12110118)	671689.75
4343090.48	15.38380 (12011417)			
671911.06	4343090.48	12.55292	(10040319)	672132.37
4343090.48	13.48150 (09112608)			
672353.68	4343090.48	10.95346	(10021018)	672574.99
4343090.48	15.18739 (10041619)			
668148.79	4343255.44	4.82116	(14010208)	668370.10
4343255.44	5.25356 (12121508)			
668591.41	4343255.44	5.81733	(13123008)	669476.65
4343255.44	8.06712 (12011719)			
669697.96	4343255.44	9.07327	(13121208)	669919.27
4343255.44	10.22595 (13020619)			
670140.58	4343255.44	11.36757	(13021619)	670361.89
4343255.44	11.37551 (10110618)			
670583.20	4343255.44	12.46430	(09010719)	670804.51
4343255.44	14.28053 (10021819)			

671025.82	4343255.44	18.89352	(13032719)	671247.13
4343255.44	20.17761 (11012908)			
671468.44	4343255.44	15.42328	(12110118)	671689.75
4343255.44	12.79400 (12011417)			
671911.06	4343255.44	10.79570	(11030318)	672132.37
4343255.44	10.91313 (11022319)			
672353.68	4343255.44	10.28121	(10100218)	672574.99
4343255.44	8.57166 (10050719)			
668148.79	4343420.40	4.88455	(12121508)	668370.10
4343420.40	5.16816 (13123008)			

^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 990

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP5 ***
 INCLUDING SOURCE(S): L0000408 , L0000409
 , L0000410 , L0000411 , L0000412 ,
 L0000413 , L0000414 , L0000415 , L0000416 , L0000417
 , L0000418 , L0000419 , L0000420 ,
 L0000421 , L0000422 , L0000423 , L0000424 , L0000425
 , L0000426 , L0000427 , L0000428 ,
 L0000429 , L0000430 , L0000431 , L0000432 , L0000433
 , L0000434 , L0000435 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668591.41	4343420.40	5.22824	(13123008)	668812.72
4343420.40	5.55029 (10011008)			
669034.03	4343420.40	5.99541	(12010518)	669255.34
4343420.40	6.48958 (12011719)			
669476.65	4343420.40	7.18312	(11121108)	669697.96
4343420.40	8.40208 (13020619)			
669919.27	4343420.40	9.32112	(09120808)	670140.58
4343420.40	9.73000 (09122608)			
670361.89	4343420.40	10.53826	(09010719)	670583.20
4343420.40	10.52181 (09010719)			
670804.51	4343420.40	12.69880	(10021819)	671025.82

4343420.40	37.10131	(12091419)		
671247.13	4343420.40	30.44427	(11121418)	671468.44
4343420.40	13.38750	(12110118)		
671689.75	4343420.40	10.71371	(12011417)	671911.06
4343420.40	10.23636	(10020119)		
672132.37	4343420.40	8.72482	(13093018)	672353.68
4343420.40	9.64312	(09112608)		
672574.99	4343420.40	8.24108	(10021018)	668148.79
4343585.36	4.87487	(13123008)		
668370.10	4343585.36	4.91598	(13123008)	668591.41
4343585.36	4.96242	(10011008)		
668812.72	4343585.36	5.47385	(12010518)	669034.03
4343585.36	5.98492	(13123019)		
669255.34	4343585.36	6.50213	(11121108)	669476.65
4343585.36	6.97898	(12012908)		
669697.96	4343585.36	7.40600	(13020619)	669919.27
4343585.36	8.12248	(09122608)		
670140.58	4343585.36	8.35356	(10110618)	670361.89
4343585.36	9.57182	(09010719)		
670583.20	4343585.36	10.04864	(10021819)	670804.51
4343585.36	11.23817	(11010908)		
671025.82	4343585.36	10.88844	(11012908)	671247.13
4343585.36	31.40346	(11121418)		
671468.44	4343585.36	14.27093	(12110118)	671689.75
4343585.36	13.66045	(13100819)		
671911.06	4343585.36	10.17737	(10020119)	672132.37
4343585.36	8.22314	(13052619)		
672353.68	4343585.36	8.70222	(09112608)	672574.99
4343585.36	7.45606	(10100218)		
668148.79	4343750.32	4.35978	(13123008)	668370.10
4343750.32	4.75691	(10011008)		
668591.41	4343750.32	5.04118	(12010518)	668812.72
4343750.32	5.33195	(13123019)		
669034.03	4343750.32	6.00032	(11121108)	669255.34
4343750.32	6.42315	(12012908)		
669476.65	4343750.32	6.69733	(13020619)	669697.96
4343750.32	7.11517	(09120808)		
669919.27	4343750.32	7.49409	(09122608)	670140.58
4343750.32	8.06901	(09010719)		
670361.89	4343750.32	8.69720	(09010719)	670583.20
4343750.32	9.38118	(10021819)		
670804.51	4343750.32	9.98230	(11010908)	671025.82
4343750.32	9.79422	(11012908)		
671247.13	4343750.32	36.29633	(09010118)	671468.44
4343750.32	28.90370	(13121217)		
671689.75	4343750.32	39.99081	(13100819)	671911.06
4343750.32	27.24166	(10090419)		
672132.37	4343750.32	10.71172	(10040319)	672353.68
4343750.32	8.44891	(11022319)		
672574.99	4343750.32	8.28150	(09112608)	668148.79

4343915.28	4.13018	(10011008)		
668370.10	4343915.28	4.56002	(12010518)	668591.41
4343915.28	4.95878	(13123019)		
668812.72	4343915.28	5.26099	(11121108)	669034.03
4343915.28	5.76020	(13121208)		
669255.34	4343915.28	6.13107	(13020619)	669476.65
4343915.28	6.46603	(09120808)		
669697.96	4343915.28	6.76832	(09122608)	669919.27
4343915.28	6.73441	(10110618)		
670140.58	4343915.28	7.73130	(09010719)	670361.89
4343915.28	7.53736	(09121008)		
670583.20	4343915.28	8.75787	(10021819)	670804.51
4343915.28	9.15091	(11010908)		
671025.82	4343915.28	9.25709	(11012908)	671247.13
4343915.28	9.63885	(09010118)		
671468.44	4343915.28	25.90716	(13121217)	671689.75
4343915.28	35.63665	(13121217)		
671911.06	4343915.28	23.20384	(13110818)	672132.37
4343915.28	16.61875	(09120817)		
▲ *** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc				
	***	10/04/21		
*** AERMET - VERSION 14134 ***				
	***	13:59:48		

PAGE 991

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SRCGP5 ***

INCLUDING SOURCE(S): L0000408 , L0000409

, L0000410	, L0000411	, L0000412	,
	L0000413	, L0000414	, L0000415 , L0000416 , L0000417
, L0000418	, L0000419	, L0000420	,
	L0000421	, L0000422	, L0000423 , L0000424 , L0000425
, L0000426	, L0000427	, L0000428	,
	L0000429	, L0000430	, L0000431 , L0000432 , L0000433
, L0000434	, L0000435	, . . .	,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

672353.68	4343915.28	13.77353	(13093018)	672574.99
4343915.28	11.76027	(09112608)		

668148.79	4344080.24	4.04351	(12010518)	668370.10
4344080.24	4.35416 (13123019)			
668591.41	4344080.24	4.69381	(11121108)	668812.72
4344080.24	5.12502 (13121208)			
669034.03	4344080.24	5.42985	(12012908)	669255.34
4344080.24	5.92246 (13020619)			
669476.65	4344080.24	6.11875	(13021619)	669697.96
4344080.24	6.29017 (09122608)			
669919.27	4344080.24	6.60760	(09010719)	670140.58
4344080.24	7.38659 (09010719)			
670361.89	4344080.24	7.23238	(10021819)	670583.20
4344080.24	7.97288 (10021819)			
670804.51	4344080.24	8.43174	(11010908)	671025.82
4344080.24	35.82766 (11112017)			
671247.13	4344080.24	8.92753	(09010118)	671468.44
4344080.24	8.04572 (09010118)			
671689.75	4344080.24	25.16985	(13121217)	671911.06
4344080.24	11.72021 (13110818)			
672132.37	4344080.24	8.29445	(10020119)	672353.68
4344080.24	7.54566 (13093018)			
672574.99	4344080.24	7.76167	(09112608)	671464.71
4342094.27	51.48920 (12011417)			
671482.23	4342063.91	56.43453	(12011417)	671498.58
4342030.05	58.60947 (12011417)			
671513.75	4341991.52	63.28757	(13111017)	671541.78
4341964.66	66.37429 (13093018)			
671575.64	4341974.00	57.61035	(09112608)	671460.75
4342162.97	46.75813 (12100218)			
671451.00	4342187.35	47.09598	(12100218)	671510.73
4342219.66	47.83491 (12011417)			
671524.14	4342192.84	44.23411	(12011417)	671522.92
4342250.74	50.59687 (13110818)			
671599.11	4342252.57	45.85205	(09120817)	671627.76
4342256.84	48.89071 (13093018)			
671583.88	4342116.03	38.74969	(11022319)	671595.46
4342071.54	40.01656 (11022319)			
671663.12	4342056.30	45.63980	(09051119)	671600.94
4342030.09	45.34279 (11081319)			
671526.58	4342155.65	41.99087	(10020119)	671628.98
4342292.19	49.91030 (09120817)			
671641.78	4341980.71	54.85651	(13082319)	671666.77
4342018.51	50.79875 (13082319)			
671407.11	4342219.66	53.68931	(09111117)	671415.64
4342183.08	51.54836 (09111117)			
671635.08	4341706.42	195.01398	(13122719)	671693.59
4341710.08	189.24558 (13122719)			
671719.80	4341736.29	177.91595	(13042019)	671673.48
4341630.23	177.64403 (11121817)			
671888.04	4341936.22	100.70336	(11022219)	671977.64
4341952.07	65.26110 (13041019)			

672039.21	4341894.77	47.41537	(10082519)	671858.17
4341753.96	145.84508	(13042019)		
671922.78	4341634.49	142.22339	(12013019)	671613.74
4341791.15	137.27981	(11083019)		
671853.29	4341730.80	148.00190	(13042019)	671783.81
4341585.73	125.55942	(11121817)		
671783.20	4341546.72	121.34313	(11121817)	671769.18
4341461.38	111.39124	(09111517)		
671800.87	4341420.54	166.15234	(09111517)	671880.11
4341427.25	147.45162	(09111517)		
672012.39	4341504.66	46.93371	(13120717)	672084.31
4341547.94	53.43393	(13122317)		
671915.47	4341478.45	126.79009	(11121817)	671903.28
4341564.40	148.19685	(11040519)		
671863.05	4341522.34	170.35769	(11121817)	671830.13
4341336.43	145.53653	(11100718)		
671835.62	4341287.66	144.93362	(13100619)	671825.87
4341275.47	154.31002	(13100619)		
672136.73	4341370.56	29.02666	(13022818)	671920.34
4341307.17	101.06588	(10091119)		
671695.42	4341257.19	148.62551	(13011419)	671682.01
4341176.12	101.18005	(11123117)		
671991.66	4341196.23	84.78399	(11100718)	672022.14
4341231.59	74.28475	(10091119)		
671992.27	4341177.95	66.04342	(11100718)	671540.60
4341238.29	57.50900	(13011817)		
671575.34	4341177.95	48.34761	(13011817)	671454.65
4341196.23	51.38637	(09011917)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 992

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP5 ***
 INCLUDING SOURCE(S): L0000408 , L0000409
 , L0000410 , L0000411 , L0000412 ,
 L0000413 , L0000414 , L0000415 , L0000416 , L0000417
 , L0000418 , L0000419 , L0000420 ,
 L0000421 , L0000422 , L0000423 , L0000424 , L0000425
 , L0000426 , L0000427 , L0000428 ,
 L0000429 , L0000430 , L0000431 , L0000432 , L0000433
 , L0000434 , L0000435 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
671523.53	4341116.38	40.97335	(12110317)	671413.20
4341126.74	41.42082 (09011917)			
671471.11	4341064.57	38.86249	(09011917)	671601.55
4341050.55	57.94899 (11033119)			
671198.64	4341253.53	38.30924	(11111318)	671278.49
4341212.08	44.81081 (12050719)			
671230.34	4341132.84	36.14393	(12050719)	671073.08
4341271.82	33.26161 (10021608)			
671122.45	4341373.61	40.50283	(12022208)	671118.79
4341397.38	42.33060 (09012817)			
670978.40	4341324.15	33.81973	(09012817)	670932.85
4341394.21	37.33939 (10101719)			
670935.19	4341367.36	35.75301	(10010618)	671108.01
4340976.17	30.16020 (11012619)			
671286.67	4340978.51	33.19246	(10102519)	671675.37
4342488.78	29.18703 (10040319)			
671091.40	4342277.23	145.60948	(09121008)	671051.75
4342332.07	122.04656 (09121008)			
671051.75	4342369.20	126.31321	(09121008)	670953.04
4342360.76	121.06423 (10110618)			
670695.71	4342235.89	33.75430	(13123019)	670545.53
4342318.58	26.06100 (13123019)			
670711.74	4342488.16	102.04541	(09120808)	670648.30
4342501.73	92.92761 (13020619)			
670648.30	4342630.87	47.39744	(09020308)	670806.29
4342728.41	74.09943 (09010719)			
670688.15	4342739.41	39.48853	(11122808)	670804.92
4342427.55	80.76119 (13021619)			
670439.48	4342471.51	21.04989	(11121108)	670358.43
4342578.67	18.64784 (11121108)			
670546.64	4342662.47	76.35886	(09120808)	670537.03
4342595.15	82.23523 (13020619)			
670483.45	4342776.50	71.94536	(09120808)	670508.17
4342754.52	72.09536 (09120808)			
670517.79	4342868.54	68.46025	(09122608)	670545.27
4342850.69	63.12124 (10110418)			
670582.36	4342878.16	67.87300	(10110618)	670304.85
4342688.57	47.17543 (13121208)			
670039.70	4342661.10	13.90098	(12010518)	670156.48
4342673.46	15.29844 (13123019)			
670236.16	4342648.73	16.30917	(11121108)	670071.30
4342738.03	14.17210 (13123019)			
669990.24	4342753.14	13.37725	(13123019)	669928.42

4342742.15	12.80008	(12010518)		
669815.77	4342673.46	12.64115	(13123008)	669742.96
4342655.60	12.72287	(13123008)		
669791.04	4342744.90	11.95159	(10011008)	669696.25
4342731.16	12.03076	(13123008)		
669536.88	4342552.57	10.59565	(11122518)	671174.86
4342280.21	162.34946	(10021819)		
671068.38	4342169.93	115.64823	(10110618)	670965.71
4342179.44	75.08614	(09120808)		
670815.50	4342198.45	39.74937	(13121208)	670737.55
4342097.68	39.90018	(13123008)		
670762.27	4342069.16	43.02553	(13123008)	670817.40
4342040.64	48.35145	(13123008)		
670895.36	4342025.43	54.27646	(13123008)	670979.02
4341915.15	80.23615	(13123008)		
671115.92	4341863.81	128.11372	(13123008)	671199.58
4341770.65	231.86991	(12121508)		
671222.39	4341377.07	60.76262	(13010608)	671714.84
4341392.28	184.00466	(13100619)		
671366.89	4341998.81	227.93143	(11012908)	671226.19
4342236.48	172.93346	(11010908)		
669098.44	4343411.59	6.11555	(13123019)	668908.63
4343364.56	5.77325	(10011008)		
668851.52	4343359.52	5.64814	(10011008)	668831.37
4343371.27	5.58495	(10011008)		
668733.94	4343302.41	5.81834	(13123008)	668686.91
4343199.95	6.15635	(13123008)		
668671.79	4343089.09	6.34128	(12121508)	668806.17
4343001.74	6.76978	(12121508)		
668918.71	4343025.26	7.14336	(13123008)	669024.53
4342942.95	7.66402	(12121508)		
669288.24	4342916.08	8.74328	(13123008)	669333.59
4342922.80	8.79773	(13123008)		
669365.51	4342978.23	8.34210	(13123008)	669336.95
4343151.23	7.55637	(12010518)		
669303.36	4343304.09	7.12884	(13123019)	669222.73
4343235.22	6.96071	(12010518)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 993

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP5 ***
 INCLUDING SOURCE(S): L0000408 , L0000409
 , L0000410 , L0000411 , L0000412 ,
 L0000413 , L0000414 , L0000415 , L0000416 , L0000417


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, L0000418      , L0000419      , L0000420      ,
                  L0000421      , L0000422      , L0000423      , L0000424      , L0000425
, L0000426      , L0000427      , L0000428      ,
                  L0000429      , L0000430      , L0000431      , L0000432      , L0000433
, L0000434      , L0000435      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
669135.39	4343305.77	6.45257	(12010518)	

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*** AERMET - VERSION 14134 ***      ***
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PAGE 994

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP6 ***
                        INCLUDING SOURCE(S):      L0000473      , L0000474
, L0000475      , L0000476      , L0000477      ,
                  L0000478      , L0000479      , L0000480      , L0000481      , L0000482
, L0000483      , L0000484      , L0000485      ,
                  L0000486      , L0000487      , L0000488      , L0000489      , L0000490
, L0000491      , L0000492      , L0000493      ,
                  L0000494      , L0000495      , L0000496      , L0000497      , L0000498
, L0000499      , L0000500      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4340781.04	16.03600	(12120808)	668370.10
4340781.04	26.47831	(12120808)		
668591.41	4340781.04	25.48785	(11011508)	668812.72

4340781.04	27.47797	(13012808)		
669034.03	4340781.04	25.67752	(13012808)	669255.34
4340781.04	23.94287	(13012808)		
669476.65	4340781.04	25.79386	(13121008)	669697.96
4340781.04	27.28671	(13012808)		
669919.27	4340781.04	25.20619	(13012808)	670140.58
4340781.04	17.20006	(13012808)		
670361.89	4340781.04	12.73716	(13121008)	670583.20
4340781.04	11.38135	(13121008)		
670804.51	4340781.04	9.77113	(11122708)	671025.82
4340781.04	7.56759	(12021708)		
671247.13	4340781.04	7.43908	(10123008)	671468.44
4340781.04	9.51518	(10123008)		
671689.75	4340781.04	7.59989	(10123008)	671911.06
4340781.04	3.71297	(13122109)		
672132.37	4340781.04	2.46784	(13022308)	672353.68
4340781.04	6.46198	(13022308)		
672574.99	4340781.04	10.33350	(13022308)	668148.79
4340946.00	10.12870	(10122708)		
668370.10	4340946.00	20.80323	(13012808)	668591.41
4340946.00	29.14420	(13012808)		
668812.72	4340946.00	20.75932	(13012808)	669034.03
4340946.00	28.75784	(13012808)		
669255.34	4340946.00	25.98381	(13012808)	669476.65
4340946.00	29.25396	(13121008)		
669697.96	4340946.00	26.84614	(12120808)	669919.27
4340946.00	20.24698	(11011508)		
670140.58	4340946.00	24.57159	(13012808)	670361.89
4340946.00	13.73416	(13121008)		
670583.20	4340946.00	16.80544	(13121008)	670804.51
4340946.00	9.72932	(11122708)		
671025.82	4340946.00	7.97387	(12021708)	671247.13
4340946.00	8.41244	(10123008)		
671468.44	4340946.00	8.21453	(10123008)	671689.75
4340946.00	6.34652	(10123008)		
671911.06	4340946.00	3.86600	(13022308)	672132.37
4340946.00	5.58909	(13022308)		
672353.68	4340946.00	11.15680	(13022308)	672574.99
4340946.00	13.64475	(13022308)		
668148.79	4341110.96	10.87473	(10122708)	668370.10
4341110.96	11.35637	(10122708)		
668591.41	4341110.96	30.43407	(13012808)	668812.72
4341110.96	30.19266	(13012808)		
669034.03	4341110.96	32.04460	(13012808)	669255.34
4341110.96	33.39283	(13121008)		
669476.65	4341110.96	26.05092	(13121008)	669697.96
4341110.96	28.94791	(12120808)		
669919.27	4341110.96	30.71943	(13012808)	670140.58
4341110.96	22.00601	(13012808)		
670361.89	4341110.96	16.66866	(13012808)	670583.20

4341110.96	11.36082	(13121008)		
670804.51	4341110.96	8.11905	(09010609)	671025.82
4341110.96	7.52710	(12021708)		
671247.13	4341110.96	9.80228	(10123008)	671468.44
4341110.96	7.33369	(10123008)		
671689.75	4341110.96	4.84013	(10123008)	671911.06
4341110.96	8.97242	(13022308)		
672132.37	4341110.96	11.25082	(13022308)	672353.68
4341110.96	15.17415	(13022308)		
672574.99	4341110.96	14.75986	(13022308)	668148.79
4341275.92	12.98299	(10020808)		
668370.10	4341275.92	13.24918	(12120808)	668591.41
4341275.92	30.31803	(11011508)		
668812.72	4341275.92	34.45101	(12120808)	669034.03
4341275.92	28.60547	(12011608)		
669255.34	4341275.92	28.91081	(10122708)	669476.65
4341275.92	29.76924	(13012808)		
669697.96	4341275.92	33.30475	(12120808)	669919.27
4341275.92	26.82209	(12120708)		
670140.58	4341275.92	18.29575	(13020608)	670361.89
4341275.92	14.21706	(13012808)		
670583.20	4341275.92	7.79122	(09010609)	670804.51
4341275.92	8.94016	(09010609)		
671025.82	4341275.92	8.96745	(10123008)	671247.13
4341275.92	10.79230	(10123008)		
671468.44	4341275.92	8.54112	(10123008)	671689.75
4341275.92	11.28412	(13022308)		

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 *** 10/04/21

*** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 995

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP6 ***
 INCLUDING SOURCE(S): L0000473 , L0000474
 , L0000475 , L0000476 , L0000477 ,
 L0000478 , L0000479 , L0000480 , L0000481 , L0000482
 , L0000483 , L0000484 , L0000485 ,
 L0000486 , L0000487 , L0000488 , L0000489 , L0000490
 , L0000491 , L0000492 , L0000493 ,
 L0000494 , L0000495 , L0000496 , L0000497 , L0000498
 , L0000499 , L0000500 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
671911.06	4341275.92	16.96745	(13022308)	672132.37
4341275.92	17.65498	(13022308)		
672353.68	4341275.92	15.33733	(13022308)	672574.99
4341275.92	12.18744	(13022308)		
668148.79	4341440.88	14.92208	(10020808)	668370.10
4341440.88	26.71363	(12120808)		
668591.41	4341440.88	33.25621	(12120808)	668812.72
4341440.88	29.79599	(13121608)		
669034.03	4341440.88	29.43958	(12011608)	669255.34
4341440.88	30.85806	(11011508)		
669476.65	4341440.88	32.15531	(10122708)	669697.96
4341440.88	35.69639	(10122708)		
669919.27	4341440.88	27.19336	(10122708)	670140.58
4341440.88	15.97064	(12120708)		
670361.89	4341440.88	12.86157	(13020608)	670583.20
4341440.88	8.96811	(09010609)		
670804.51	4341440.88	10.44880	(12021708)	671025.82
4341440.88	11.74260	(10123008)		
671689.75	4341440.88	19.85411	(13022308)	671911.06
4341440.88	23.01572	(13022308)		
672132.37	4341440.88	17.93388	(13022308)	672353.68
4341440.88	11.76605	(13022308)		
672574.99	4341440.88	7.71334	(10121008)	668148.79
4341605.84	32.17690	(10122708)		
668370.10	4341605.84	35.49536	(10122708)	668591.41
4341605.84	41.26565	(10122708)		
668812.72	4341605.84	37.63371	(13121608)	669034.03
4341605.84	33.94768	(12120708)		
669255.34	4341605.84	32.48861	(12011608)	669476.65
4341605.84	35.87600	(12011608)		
669697.96	4341605.84	39.86479	(12011608)	669919.27
4341605.84	26.62817	(12011608)		
670140.58	4341605.84	20.39781	(09021008)	670361.89
4341605.84	13.55855	(10021608)		
670583.20	4341605.84	10.84176	(09010609)	670804.51
4341605.84	17.51634	(13121008)		
671025.82	4341605.84	14.11141	(10123008)	671689.75
4341605.84	22.90124	(13022308)		
671911.06	4341605.84	20.66541	(13022308)	672132.37
4341605.84	13.10436	(10121008)		
672353.68	4341605.84	11.41324	(10121008)	672574.99
4341605.84	6.98282	(10121008)		
668148.79	4341770.80	18.60099	(10020808)	668370.10
4341770.80	41.81556	(12011608)		

668591.41	4341770.80	39.01260	(10122708)	668812.72
4341770.80	47.31370	(10122708)		
669034.03	4341770.80	39.23465	(13121608)	669255.34
4341770.80	38.45836	(12011208)		
669476.65	4341770.80	39.89943	(12011208)	669697.96
4341770.80	31.63315	(10020808)		
669919.27	4341770.80	29.34505	(10020808)	670140.58
4341770.80	20.44138	(12011608)		
670361.89	4341770.80	13.92488	(12022208)	670583.20
4341770.80	16.63544	(13020408)		
670804.51	4341770.80	34.91415	(13121008)	671025.82
4341770.80	23.95037	(11122708)		
671689.75	4341770.80	23.38635	(13022308)	671911.06
4341770.80	15.10165	(10121008)		
672132.37	4341770.80	12.03961	(10121008)	672353.68
4341770.80	9.35776	(12111008)		
672574.99	4341770.80	5.69832	(12111008)	668148.79
4341935.76	19.24981	(12011208)		
668370.10	4341935.76	21.34208	(12011208)	668591.41
4341935.76	39.98949	(12011608)		
668812.72	4341935.76	53.78167	(12011608)	669034.03
4341935.76	37.80273	(12011208)		
669255.34	4341935.76	42.32699	(09012008)	669476.65
4341935.76	42.38978	(09012008)		
669697.96	4341935.76	28.42485	(12020808)	669919.27
4341935.76	22.11895	(12013108)		
670140.58	4341935.76	20.19792	(09111408)	670361.89
4341935.76	21.13908	(09112108)		
670583.20	4341935.76	32.47912	(10122708)	670804.51
4341935.76	41.46675	(11122708)		
671468.44	4341935.76	26.34593	(10121008)	671689.75
4341935.76	18.22569	(10121008)		
671911.06	4341935.76	12.58678	(12111008)	672132.37
4341935.76	8.97218	(12111008)		
672353.68	4341935.76	5.85462	(12111008)	672574.99
4341935.76	4.94588	(12111008)		

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 996

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP6 ***
 INCLUDING SOURCE(S): L0000473 , L0000474
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 L0000478 , L0000479 , L0000480 , L0000481 , L0000482
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          L0000486      , L0000487      , L0000488      , L0000489      , L0000490
, L0000491      , L0000492      , L0000493      ,
          L0000494      , L0000495      , L0000496      , L0000497      , L0000498
, L0000499      , L0000500      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4342100.72	20.94386	(09012008)	668370.10
4342100.72	40.35125	(10020808)		
668591.41	4342100.72	52.42650	(12011208)	668812.72
4342100.72	64.31402	(10020808)		
669034.03	4342100.72	41.38019	(09121708)	669255.34
4342100.72	43.38747	(09020208)		
669476.65	4342100.72	46.32897	(09020208)	669697.96
4342100.72	40.20762	(09020208)		
669919.27	4342100.72	36.05576	(09020208)	670140.58
4342100.72	30.30664	(09121708)		
670361.89	4342100.72	95.02834	(09012008)	670583.20
4342100.72	122.20666	(10020808)		
671468.44	4342100.72	17.74354	(12111008)	671689.75
4342100.72	11.23011	(12111008)		
671911.06	4342100.72	7.93643	(12111009)	672132.37
4342100.72	6.38623	(12111009)		
672353.68	4342100.72	5.30616	(12111009)	672574.99
4342100.72	4.20229	(12111009)		
668148.79	4342265.68	23.02910	(09121708)	668370.10
4342265.68	47.28576	(12011208)		
668591.41	4342265.68	31.02085	(12011208)	668812.72
4342265.68	50.94192	(12011608)		
669034.03	4342265.68	57.76852	(12011608)	669255.34
4342265.68	82.12625	(10020808)		
669476.65	4342265.68	58.88605	(12011208)	669697.96
4342265.68	65.50631	(10010608)		
669919.27	4342265.68	79.58576	(10010608)	670140.58
4342265.68	96.71727	(13020108)		
670361.89	4342265.68	152.79827	(12011408)	670583.20
4342265.68	211.04268	(13121208)		
670804.51	4342265.68	163.56638	(13121208)	671025.82
4342265.68	58.32389	(10112508)		
671247.13	4342265.68	38.43592	(10112508)	671468.44
4342265.68	18.95328	(13011508)		
671689.75	4342265.68	13.77810	(13011508)	671911.06

4342265.68	10.18713	(13011508)		
672132.37	4342265.68	8.00792	(13011508)	672353.68
4342265.68	6.16126	(13011508)		
672574.99	4342265.68	4.08581	(13011508)	668148.79
4342430.64	22.69334	(09020208)		
668370.10	4342430.64	28.19765	(09020208)	668591.41
4342430.64	30.74539	(09020208)		
668812.72	4342430.64	36.41437	(09121708)	669034.03
4342430.64	45.72400	(09121708)		
669255.34	4342430.64	61.89819	(12011208)	669476.65
4342430.64	117.26683	(11122708)		
669697.96	4342430.64	108.65741	(11122708)	669919.27
4342430.64	92.50587	(12120808)		
670140.58	4342430.64	124.09312	(11121308)	670361.89
4342430.64	293.92943	(12121508)		
670583.20	4342430.64	68.33095	(13121208)	670804.51
4342430.64	60.38886	(09121008)		
671025.82	4342430.64	38.86499	(09112608)	671247.13
4342430.64	20.16940	(13120708)		
671468.44	4342430.64	21.40587	(10112508)	671689.75
4342430.64	12.32738	(10112508)		
671911.06	4342430.64	12.70597	(13011508)	672132.37
4342430.64	12.16480	(13011508)		
672353.68	4342430.64	8.75283	(13011508)	672574.99
4342430.64	4.60819	(13011508)		
668148.79	4342595.60	24.69675	(10010608)	668370.10
4342595.60	28.37945	(10010608)		
668591.41	4342595.60	34.01523	(10010608)	668812.72
4342595.60	42.72688	(10010608)		
669034.03	4342595.60	57.32783	(10010608)	669255.34
4342595.60	90.64902	(10010608)		
669476.65	4342595.60	169.85089	(10010608)	669697.96
4342595.60	249.93010	(11121308)		
669919.27	4342595.60	219.16645	(11121308)	670140.58
4342595.60	196.54928	(13121208)		
670361.89	4342595.60	122.17538	(09121008)	670583.20
4342595.60	24.77970	(09120808)		
670804.51	4342595.60	22.52336	(09121008)	671025.82
4342595.60	30.14409	(09112608)		
671247.13	4342595.60	19.19249	(09021308)	671468.44
4342595.60	12.83644	(13120708)		
671689.75	4342595.60	11.52103	(10112508)	671911.06
4342595.60	11.91544	(10112508)		
672132.37	4342595.60	11.40300	(10112508)	672353.68
4342595.60	11.58470	(13011508)		
▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc				
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*** AERMET - VERSION 14134 *** ***				
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP6 ***
 INCLUDING SOURCE(S): L0000473 , L0000474
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 L0000494 , L0000495 , L0000496 , L0000497 , L0000498
 , L0000499 , L0000500 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672574.99	4342595.60	8.57369	(13011508)	668148.79
4342760.56	27.00827	(13020108)		
668370.10	4342760.56	32.57413	(13020108)	668591.41
4342760.56	38.26370	(13020108)		
668812.72	4342760.56	50.96057	(11121308)	669034.03
4342760.56	76.16907	(11121308)		
669255.34	4342760.56	152.79379	(11121308)	669476.65
4342760.56	231.79785	(09121008)		
669697.96	4342760.56	196.39708	(14010208)	669919.27
4342760.56	179.94847	(13121208)		
670140.58	4342760.56	66.89952	(09120808)	670361.89
4342760.56	35.54500	(09120808)		
670583.20	4342760.56	16.88644	(10121308)	670804.51
4342760.56	14.41122	(11012908)		
671025.82	4342760.56	14.70878	(09112608)	671247.13
4342760.56	10.61642	(13011508)		
671468.44	4342760.56	10.28152	(09021308)	671689.75
4342760.56	9.83260	(13120708)		
671911.06	4342760.56	7.12203	(13120708)	672132.37
4342760.56	11.80786	(10112508)		
672353.68	4342760.56	17.19741	(10112508)	672574.99
4342760.56	11.27732	(10112508)		
668148.79	4342925.52	27.79018	(11121308)	668370.10
4342925.52	32.95266	(11121308)		
668591.41	4342925.52	40.62500	(11121308)	668812.72
4342925.52	52.99779	(13122708)		

669034.03	4342925.52	81.73465	(13122708)	669476.65
4342925.52	158.45130 (11012908)			
669697.96	4342925.52	100.94620	(13121208)	669919.27
4342925.52	68.54939 (13121208)			
670140.58	4342925.52	33.57487	(10121308)	670361.89
4342925.52	25.61671 (09122608)			
670583.20	4342925.52	29.20911	(09121008)	670804.51
4342925.52	25.64213 (11012908)			
671025.82	4342925.52	8.17823	(10112508)	671247.13
4342925.52	9.14439 (09112608)			
671468.44	4342925.52	7.25513	(09021308)	671689.75
4342925.52	7.67524 (09021308)			
671911.06	4342925.52	7.28134	(13120708)	672132.37
4342925.52	6.16548 (13120708)			
672353.68	4342925.52	11.52581	(10112508)	672574.99
4342925.52	16.55602 (10112508)			
668148.79	4343090.48	23.55866	(13122708)	668370.10
4343090.48	30.46377 (13122708)			
668591.41	4343090.48	42.07982	(13122708)	669476.65
4343090.48	69.18663 (11012908)			
669697.96	4343090.48	55.80695	(11012908)	669919.27
4343090.48	89.70254 (09122608)			
670140.58	4343090.48	43.18463	(09121008)	670361.89
4343090.48	57.31817 (11012908)			
670583.20	4343090.48	27.61146	(11012908)	670804.51
4343090.48	30.61922 (11012908)			
671025.82	4343090.48	8.00395	(13120708)	671247.13
4343090.48	8.79460 (10112508)			
671468.44	4343090.48	6.05525	(10112508)	671689.75
4343090.48	6.35131 (09021308)			
671911.06	4343090.48	5.85003	(09021308)	672132.37
4343090.48	6.04314 (13120708)			
672353.68	4343090.48	5.30398	(13120708)	672574.99
4343090.48	6.27091 (10112508)			
668148.79	4343255.44	25.57468	(13122708)	668370.10
4343255.44	29.54519 (14010208)			
668591.41	4343255.44	37.45397	(12121508)	669476.65
4343255.44	75.34640 (11012908)			
669697.96	4343255.44	48.48750	(11012908)	669919.27
4343255.44	49.40276 (09121008)			
670140.58	4343255.44	47.21883	(11012908)	670361.89
4343255.44	27.24096 (09112608)			
670583.20	4343255.44	22.55277	(10112508)	670804.51
4343255.44	20.97708 (09112608)			
671025.82	4343255.44	8.03514	(13120708)	671247.13
4343255.44	7.27775 (13120708)			
671468.44	4343255.44	6.38926	(10112508)	671689.75
4343255.44	5.33479 (10112508)			
671911.06	4343255.44	5.35454	(09021308)	672132.37
4343255.44	4.97578 (10111908)			

672353.68 4343255.44 5.23174 (13120708) 672574.99
 4343255.44 4.64571 (13120708)
 668148.79 4343420.40 25.91193 (14010208) 668370.10
 4343420.40 29.42077 (12121508)

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 998

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP6 ***
 INCLUDING SOURCE(S): L0000473 , L0000474
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 L0000478 , L0000479 , L0000480 , L0000481 , L0000482
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 L0000494 , L0000495 , L0000496 , L0000497 , L0000498
 , L0000499 , L0000500 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668591.41	4343420.40	31.34805	(13123008)	668812.72
4343420.40	32.98796	(13121208)		
669034.03	4343420.40	36.16479	(13121208)	669255.34
4343420.40	34.86040	(09121008)		
669476.65	4343420.40	33.42826	(11012908)	669697.96
4343420.40	40.55908	(11012908)		
669919.27	4343420.40	44.98203	(11012908)	670140.58
4343420.40	26.29938	(11012908)		
670361.89	4343420.40	23.98477	(11012908)	670583.20
4343420.40	19.26928	(11012908)		
670804.51	4343420.40	18.64045	(09112608)	671025.82
4343420.40	9.36815	(09021308)		
671247.13	4343420.40	7.89471	(13120708)	671468.44
4343420.40	6.30784	(13120708)		
671689.75	4343420.40	5.36660	(13120708)	671911.06
4343420.40	4.51845	(13120708)		
672132.37	4343420.40	4.69177	(09021308)	672353.68

4343420.40	4.28781	(10111908)		
672574.99	4343420.40	4.30741	(13120708)	668148.79
4343585.36	31.71113	(13123008)		
668370.10	4343585.36	28.72903	(11122608)	668591.41
4343585.36	25.95215	(11122608)		
668812.72	4343585.36	30.68079	(13121208)	669034.03
4343585.36	32.79937	(09122608)		
669255.34	4343585.36	30.15462	(09121008)	669476.65
4343585.36	30.96043	(11012908)		
669697.96	4343585.36	25.65365	(09121008)	669919.27
4343585.36	23.90969	(11012908)		
670140.58	4343585.36	23.66025	(11012908)	670361.89
4343585.36	20.87704	(11012908)		
670583.20	4343585.36	16.52141	(11012908)	670804.51
4343585.36	12.18233	(09021308)		
671025.82	4343585.36	17.00676	(09112608)	671247.13
4343585.36	7.39364	(09021308)		
671468.44	4343585.36	6.18924	(13120708)	671689.75
4343585.36	6.07745	(13120708)		
671911.06	4343585.36	5.05373	(13120708)	672132.37
4343585.36	4.42965	(13120708)		
672353.68	4343585.36	4.23806	(09021308)	672574.99
4343585.36	4.00975	(10111908)		
668148.79	4343750.32	23.84321	(11122608)	668370.10
4343750.32	63.13989	(13121208)		
668591.41	4343750.32	49.55643	(09120808)	668812.72
4343750.32	28.82437	(09122608)		
669034.03	4343750.32	57.41889	(09121008)	669255.34
4343750.32	37.38459	(09121008)		
669476.65	4343750.32	33.54694	(11012908)	669697.96
4343750.32	22.18133	(09121008)		
669919.27	4343750.32	21.16277	(11012908)	670140.58
4343750.32	20.77130	(11012908)		
670361.89	4343750.32	17.67886	(11012908)	670583.20
4343750.32	14.68163	(11012908)		
670804.51	4343750.32	10.21915	(11012908)	671025.82
4343750.32	9.92721	(09021308)		
671247.13	4343750.32	14.58985	(09112608)	671468.44
4343750.32	14.01438	(09112608)		
671689.75	4343750.32	10.54292	(09112608)	671911.06
4343750.32	7.43309	(13120708)		
672132.37	4343750.32	5.62787	(13120708)	672353.68
4343750.32	4.35484	(13120708)		
672574.99	4343750.32	4.19302	(10111908)	668148.79
4343915.28	18.58052	(11122608)		
668370.10	4343915.28	47.57565	(13121208)	668591.41
4343915.28	66.55163	(09120808)		
668812.72	4343915.28	65.13993	(10121308)	669034.03
4343915.28	40.52935	(09122608)		
669255.34	4343915.28	41.10081	(10121308)	669476.65

4343915.28 39.58023 (11012908)
 669697.96 4343915.28 18.49599 (09121008) 669919.27
 4343915.28 18.87083 (11012908)
 670140.58 4343915.28 17.80042 (11012908) 670361.89
 4343915.28 15.97726 (11012908)
 670583.20 4343915.28 12.65974 (11012908) 670804.51
 4343915.28 9.70008 (09112608)
 671025.82 4343915.28 14.15275 (09112608) 671247.13
 4343915.28 8.91333 (09021308)
 671468.44 4343915.28 13.38113 (09112608) 671689.75
 4343915.28 10.57319 (09112608)
 671911.06 4343915.28 6.29459 (09021308) 672132.37
 4343915.28 6.44412 (13120708)
 ▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 999

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP6 ***
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 , L0000475 , L0000476 , L0000477 ,
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 L0000494 , L0000495 , L0000496 , L0000497 , L0000498
 , L0000499 , L0000500 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672353.68	4343915.28	5.92701	(13120708)	672574.99
4343915.28	5.20778	(13120708)		
668148.79	4344080.24	19.09414	(13121208)	668370.10
4344080.24	37.34682	(09120808)		
668591.41	4344080.24	55.36417	(09122608)	668812.72
4344080.24	48.57623	(09121008)		
669034.03	4344080.24	43.70012	(09122608)	669255.34
4344080.24	43.31289	(10121308)		

669476.65	4344080.24	39.05080	(11012908)	669697.96
4344080.24	15.38956	(11012908)		
669919.27	4344080.24	15.55800	(11012908)	670140.58
4344080.24	24.37506	(11012908)		
670361.89	4344080.24	14.42963	(11012908)	670583.20
4344080.24	13.64758	(09112608)		
670804.51	4344080.24	15.60417	(09112608)	671025.82
4344080.24	10.61085	(09112608)		
671247.13	4344080.24	12.35691	(09112608)	671468.44
4344080.24	11.52125	(09112608)		
671689.75	4344080.24	8.05133	(09112608)	671911.06
4344080.24	4.85743	(09021308)		
672132.37	4344080.24	4.10954	(09021308)	672353.68
4344080.24	4.47716	(13120708)		
672574.99	4344080.24	4.37187	(13120708)	671464.71
4342094.27	18.59636	(12111008)		
671482.23	4342063.91	20.28330	(12111008)	671498.58
4342030.05	21.40507	(12111008)		
671513.75	4341991.52	22.67928	(10121008)	671541.78
4341964.66	22.74670	(10121008)		
671575.64	4341974.00	20.53439	(10121008)	671460.75
4342162.97	14.93205	(12111009)		
671451.00	4342187.35	14.04047	(12111009)	671510.73
4342219.66	12.58957	(13011508)		
671524.14	4342192.84	11.95845	(12111009)	671522.92
4342250.74	15.78962	(13011508)		
671599.11	4342252.57	14.17359	(13011508)	671627.76
4342256.84	14.07292	(13011508)		
671583.88	4342116.03	12.77981	(12111009)	671595.46
4342071.54	14.55445	(12111008)		
671663.12	4342056.30	14.10300	(12111008)	671600.94
4342030.09	17.17093	(12111008)		
671526.58	4342155.65	13.29826	(12111009)	671628.98
4342292.19	16.21641	(13011508)		
671641.78	4341980.71	17.97449	(12111008)	671666.77
4342018.51	15.95310	(12111008)		
671407.11	4342219.66	16.31418	(13011508)	671415.64
4342183.08	15.47025	(12111009)		
671635.08	4341706.42	28.84658	(13022308)	671693.59
4341710.08	25.44882	(13022308)		
671719.80	4341736.29	22.76003	(13022308)	671673.48
4341630.23	25.13348	(13022308)		
671888.04	4341936.22	12.91196	(12111008)	671977.64
4341952.07	11.21080	(12111008)		
672039.21	4341894.77	11.51755	(12111008)	671858.17
4341753.96	14.58882	(10121008)		
671922.78	4341634.49	19.03412	(13022308)	671613.74
4341791.15	27.19377	(13022308)		
671853.29	4341730.80	15.85909	(13022308)	671783.81
4341585.73	22.30874	(13022308)		

671783.20	4341546.72	22.52654	(13022308)	671769.18
4341461.38	21.42931	(13022308)		
671800.87	4341420.54	20.91239	(13022308)	671880.11
4341427.25	22.64360	(13022308)		
672012.39	4341504.66	20.55737	(13022308)	672084.31
4341547.94	16.58659	(13022308)		
671915.47	4341478.45	23.38685	(13022308)	671903.28
4341564.40	22.34331	(13022308)		
671863.05	4341522.34	23.44541	(13022308)	671830.13
4341336.43	18.39964	(13022308)		
671835.62	4341287.66	16.28108	(13022308)	671825.87
4341275.47	15.49371	(13022308)		
672136.73	4341370.56	18.34501	(13022308)	671920.34
4341307.17	18.45880	(13022308)		
671695.42	4341257.19	10.39842	(13022308)	671682.01
4341176.12	6.14857	(13022308)		
671991.66	4341196.23	14.77793	(13022308)	672022.14
4341231.59	16.70437	(13022308)		
671992.27	4341177.95	13.60186	(13022308)	671540.60
4341238.29	6.00703	(10123008)		
671575.34	4341177.95	5.54492	(13122109)	671454.65
4341196.23	7.92628	(10123008)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1000

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP6 ***
 INCLUDING SOURCE(S): L0000473 , L0000474
 , L0000475 , L0000476 , L0000477 ,
 L0000478 , L0000479 , L0000480 , L0000481 , L0000482
 , L0000483 , L0000484 , L0000485 ,
 L0000486 , L0000487 , L0000488 , L0000489 , L0000490
 , L0000491 , L0000492 , L0000493 ,
 L0000494 , L0000495 , L0000496 , L0000497 , L0000498
 , L0000499 , L0000500 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

- - - - -					
	671523.53	4341116.38	6.58292	(10123008)	671413.20
4341126.74		8.76656 (10123008)			
	671471.11	4341064.57	7.56792	(10123008)	671601.55
4341050.55		6.95786 (10123008)			
	671198.64	4341253.53	10.19243	(10123008)	671278.49
4341212.08		10.28685 (10123008)			
	671230.34	4341132.84	9.66999	(10123008)	671073.08
4341271.82		9.55840 (10123008)			
	671122.45	4341373.61	11.27388	(10123008)	671118.79
4341397.38		11.57313 (10123008)			
	670978.40	4341324.15	8.97287	(10123008)	670932.85
4341394.21		9.53965 (10123008)			
	670935.19	4341367.36	9.07618	(10123008)	671108.01
4340976.17		7.21766 (10123008)			
	671286.67	4340978.51	8.90801	(10123008)	671675.37
4342488.78		15.37332 (10112508)			
	671091.40	4342277.23	63.29795	(10112508)	671051.75
4342332.07		38.74952 (10112508)			
	671051.75	4342369.20	35.18276	(13120708)	670953.04
4342360.76		42.90976 (11012908)			
	670695.71	4342235.89	194.48216	(13122708)	670545.53
4342318.58		207.82468 (09121008)			
	670711.74	4342488.16	43.61733	(09020308)	670648.30
4342501.73		34.38655 (09120808)			
	670648.30	4342630.87	15.85477	(13011508)	670806.29
4342728.41		15.03329 (13011508)			
	670688.15	4342739.41	13.28566	(13011508)	670804.92
4342427.55		61.81946 (09121008)			
	670439.48	4342471.51	154.60449	(09121008)	670358.43
4342578.67		151.93842 (09121008)			
	670546.64	4342662.47	29.63721	(09120808)	670537.03
4342595.15		30.47323 (13121208)			
	670483.45	4342776.50	25.46464	(09122608)	670508.17
4342754.52		24.95473 (09122608)			
	670517.79	4342868.54	22.60818	(10121308)	670545.27
4342850.69		19.41126 (10121308)			
	670582.36	4342878.16	20.98145	(09121008)	670304.85
4342688.57		59.40285 (10121308)			
	670039.70	4342661.10	190.57430	(09120808)	670156.48
4342673.46		175.06730 (09120808)			
	670236.16	4342648.73	166.97971	(09120808)	670071.30
4342738.03		160.01784 (13121208)			
	669990.24	4342753.14	178.99628	(13121208)	669928.42
4342742.15		183.95502 (13121208)			
	669815.77	4342673.46	223.28516	(13122708)	669742.96
4342655.60		185.11931 (11121308)			
	669791.04	4342744.90	223.82463	(13123008)	669696.25
4342731.16		190.77557 (13122708)			
	669536.88	4342552.57	161.89256	(09020208)	671174.86

4342280.21	62.92292	(10112508)		
671068.38	4342169.93	58.37471	(10121008)	670965.71
4342179.44	122.97355	(10010608)		
670815.50	4342198.45	185.60026	(09020208)	670737.55
4342097.68	100.95314	(11122708)		
670762.27	4342069.16	83.59607	(11122708)	670817.40
4342040.64	69.22048	(11122708)		
670895.36	4342025.43	60.04453	(11122708)	670979.02
4341915.15	32.92043	(13022308)		
671115.92	4341863.81	33.45197	(13022308)	671199.58
4341770.65	28.22341	(13022308)		
671222.39	4341377.07	12.27288	(10123008)	671714.84
4341392.28	18.70784	(13022308)		
671366.89	4341998.81	29.30812	(10121008)	671226.19
4342236.48	39.72869	(13011508)		
669098.44	4343411.59	36.65423	(09120808)	668908.63
4343364.56	36.96010	(13121208)		
668851.52	4343359.52	35.57479	(11122608)	668831.37
4343371.27	34.81781	(11122608)		
668733.94	4343302.41	39.21596	(13123008)	668686.91
4343199.95	42.59299	(12121508)		
668671.79	4343089.09	44.74631	(13122708)	668806.17
4343001.74	53.63307	(13122708)		
668918.71	4343025.26	63.08867	(14010208)	669024.53
4342942.95	79.13361	(13122708)		
669288.24	4342916.08	192.16847	(13123008)	669333.59
4342922.80	261.96099	(13121208)		
669365.51	4342978.23	201.27482	(09121008)	669336.95
4343151.23	66.55934	(09121008)		
669303.36	4343304.09	44.87382	(09121008)	669222.73
4343235.22	53.62773	(09122608)		

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1001

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP6 ***
 INCLUDING SOURCE(S): L0000473 , L0000474
 , L0000475 , L0000476 , L0000477 ,
 L0000478 , L0000479 , L0000480 , L0000481 , L0000482
 , L0000483 , L0000484 , L0000485 ,
 L0000486 , L0000487 , L0000488 , L0000489 , L0000490
 , L0000491 , L0000492 , L0000493 ,
 L0000494 , L0000495 , L0000496 , L0000497 , L0000498
 , L0000499 , L0000500 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
669135.39	4343305.77	44.14173	(09120808)	

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1002

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP7 ***
 INCLUDING SOURCE(S): STCK1 , STCK2
 , STCK3 , STCK4 , STCK5 ,
 STCK6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4340781.04	7.76334	(12013021)	668370.10
4340781.04	9.23334	(09121724)		
668591.41	4340781.04	10.26040	(09120107)	668812.72
4340781.04	10.76465	(13011804)		
669034.03	4340781.04	12.37456	(10012703)	669255.34
4340781.04	14.17756	(10121505)		
669476.65	4340781.04	13.97953	(13021224)	669697.96
4340781.04	16.62802	(11022604)		
669919.27	4340781.04	25.71875	(10123021)	670140.58
4340781.04	27.26481	(13022703)		
670361.89	4340781.04	27.53029	(10121518)	670583.20
4340781.04	20.42659	(13012808)		
670804.51	4340781.04	19.87438	(13010818)	671025.82
4340781.04	14.99229	(09082024)		

671247.13	4340781.04	12.62801	(09082723)	671468.44
4340781.04	13.68878 (10050306)			
671689.75	4340781.04	18.51220	(11033119)	671911.06
4340781.04	15.74042 (09060721)			
672132.37	4340781.04	10.48070	(13011419)	672353.68
4340781.04	18.28873 (11010418)			
672574.99	4340781.04	25.64739	(13120120)	668148.79
4340946.00	7.60903 (11010323)			
668370.10	4340946.00	8.67739	(13120803)	668591.41
4340946.00	9.68752 (12013021)			
668812.72	4340946.00	10.56459	(10121507)	669034.03
4340946.00	13.05485 (10013101)			
669255.34	4340946.00	14.87930	(13011407)	669476.65
4340946.00	15.53408 (10121505)			
669697.96	4340946.00	19.13161	(10122707)	669919.27
4340946.00	27.55152 (10123022)			
670140.58	4340946.00	31.25672	(09120721)	670361.89
4340946.00	32.27555 (09121805)			
670583.20	4340946.00	31.90980	(12122707)	670804.51
4340946.00	20.70139 (09082904)			
671025.82	4340946.00	14.65253	(13060523)	671247.13
4340946.00	12.29168 (09082723)			
671468.44	4340946.00	12.87572	(11090720)	671689.75
4340946.00	22.70946 (10090519)			
671911.06	4340946.00	27.41878	(09011623)	672132.37
4340946.00	10.11541 (11111217)			
672353.68	4340946.00	13.86276	(13100619)	672574.99
4340946.00	27.06777 (11051920)			
668148.79	4341110.96	7.77389	(13020523)	668370.10
4341110.96	8.46862 (12020323)			
668591.41	4341110.96	9.86788	(11010323)	668812.72
4341110.96	11.07030 (13120803)			
669034.03	4341110.96	12.81411	(12013021)	669255.34
4341110.96	13.75765 (10121507)			
669476.65	4341110.96	16.87481	(13011804)	669697.96
4341110.96	24.35800 (10121505)			
669919.27	4341110.96	23.00694	(10122707)	670140.58
4341110.96	32.77667 (10123022)			
670361.89	4341110.96	32.74311	(13121005)	670583.20
4341110.96	23.94489 (11082520)			
670804.51	4341110.96	15.18689	(09091124)	671025.82
4341110.96	13.84740 (12101307)			
671247.13	4341110.96	13.72351	(09082723)	671468.44
4341110.96	14.00897 (09032507)			
671689.75	4341110.96	38.16741	(10020121)	671911.06
4341110.96	32.41262 (13011419)			
672132.37	4341110.96	10.78161	(10082420)	672353.68
4341110.96	8.90274 (12080720)			
672574.99	4341110.96	26.40245	(13052920)	668148.79
4341275.92	7.97071 (09010402)			

668370.10	4341275.92	8.82914	(09010402)	668591.41
4341275.92	10.20893	(09010222)		
668812.72	4341275.92	12.29374	(12020323)	669034.03
4341275.92	15.60641	(11010323)		
669255.34	4341275.92	16.87861	(13120803)	669476.65
4341275.92	17.88616	(09121724)		
669697.96	4341275.92	21.65109	(10013101)	669919.27
4341275.92	33.87865	(10012703)		
670140.58	4341275.92	28.87851	(12010419)	670361.89
4341275.92	26.21418	(11012722)		
670583.20	4341275.92	17.24806	(12021208)	670804.51
4341275.92	15.22039	(12040523)		
671025.82	4341275.92	14.98267	(12121420)	671247.13
4341275.92	18.32026	(11111319)		
671468.44	4341275.92	42.57742	(13041906)	671689.75
4341275.92	55.55518	(12121423)		

*** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1003

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP7 ***
 INCLUDING SOURCE(S): STCK1 , STCK2
 , STCK3 , STCK4 , STCK5 ,
 STCK6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
671911.06	4341275.92	45.12552	(11010418)	672132.37
4341275.92	10.66383	(10110117)		
672353.68	4341275.92	8.26893	(12081519)	672574.99
4341275.92	28.25592	(13092802)		
668148.79	4341440.88	8.11182	(13120804)	668370.10
4341440.88	9.16216	(13120804)		
668591.41	4341440.88	10.49363	(11123024)	668812.72
4341440.88	13.22628	(13012122)		
669034.03	4341440.88	15.88119	(09010222)	669255.34
4341440.88	16.46326	(13020523)		

669476.65	4341440.88	19.27977	(13010219)	669697.96
4341440.88	24.39667	(13120803)		
669919.27	4341440.88	33.63619	(09121724)	670140.58
4341440.88	27.12791	(13012006)		
670361.89	4341440.88	22.20894	(11090423)	670583.20
4341440.88	17.27684	(11101207)		
670804.51	4341440.88	22.34206	(09011017)	671025.82
4341440.88	19.31555	(12123004)		
671689.75	4341440.88	67.98490	(13011419)	671911.06
4341440.88	50.43967	(11092622)		
672132.37	4341440.88	12.17099	(12081519)	672353.68
4341440.88	14.04195	(10111117)		
672574.99	4341440.88	29.58020	(11032902)	668148.79
4341605.84	8.72373	(10013105)		
668370.10	4341605.84	9.98362	(11120619)	668591.41
4341605.84	11.39420	(11123104)		
668812.72	4341605.84	13.09236	(13022805)	669034.03
4341605.84	14.86995	(13120804)		
669255.34	4341605.84	17.06241	(13120804)	669476.65
4341605.84	20.54723	(13012122)		
669697.96	4341605.84	27.91089	(09010222)	669919.27
4341605.84	32.59323	(12020323)		
670140.58	4341605.84	30.68198	(09121801)	670361.89
4341605.84	21.09419	(12081106)		
670583.20	4341605.84	19.59668	(09112108)	670804.51
4341605.84	36.54213	(09021008)		
671025.82	4341605.84	31.73249	(12012405)	671689.75
4341605.84	79.23772	(13120120)		
671911.06	4341605.84	61.73167	(10081303)	672132.37
4341605.84	26.31350	(12041421)		
672353.68	4341605.84	20.42712	(12070821)	672574.99
4341605.84	27.27557	(11120722)		
668148.79	4341770.80	8.31334	(12013107)	668370.10
4341770.80	10.28447	(12013107)		
668591.41	4341770.80	10.65037	(12013107)	668812.72
4341770.80	12.34999	(13121023)		
669034.03	4341770.80	14.97465	(13121023)	669255.34
4341770.80	18.89742	(10013105)		
669476.65	4341770.80	25.67735	(11120619)	669697.96
4341770.80	32.12470	(11123104)		
669919.27	4341770.80	30.15575	(10010504)	670140.58
4341770.80	25.92773	(10082505)		
670361.89	4341770.80	17.50377	(13081406)	670583.20
4341770.80	28.55478	(09011817)		
670804.51	4341770.80	82.41018	(13011407)	671025.82
4341770.80	100.40732	(10121121)		
671689.75	4341770.80	89.99755	(12051524)	671911.06
4341770.80	65.99262	(13080820)		
672132.37	4341770.80	16.78720	(09050719)	672353.68
4341770.80	10.85484	(13120717)		

672574.99	4341770.80	27.26068	(09090320)	668148.79
4341935.76	8.15971 (13120722)			
668370.10	4341935.76	9.13305	(09123019)	668591.41
4341935.76	10.69058 (09123019)			
668812.72	4341935.76	12.95448	(09123019)	669034.03
4341935.76	16.04877 (09123019)			
669255.34	4341935.76	22.78812	(09123019)	669476.65
4341935.76	28.74962 (12020606)			
669697.96	4341935.76	24.82722	(10010503)	669919.27
4341935.76	17.69863 (11030804)			
670140.58	4341935.76	17.37035	(11030804)	670361.89
4341935.76	22.20525 (13021408)			
670583.20	4341935.76	59.89383	(10013105)	670804.51
4341935.76	77.28012 (14010121)			
671468.44	4341935.76	80.36629	(09122206)	671689.75
4341935.76	48.35759 (13120717)			
671911.06	4341935.76	54.79834	(13122317)	672132.37
4341935.76	14.99087 (11092618)			
672353.68	4341935.76	10.67486	(10093018)	672574.99
4341935.76	36.38390 (12013019)			

*** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1004

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP7 ***
 INCLUDING SOURCE(S): STCK1 , STCK2
 , STCK3 , STCK4 , STCK5 ,
 STCK6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4342100.72	8.16562	(13020522)	668370.10
4342100.72	9.47057 (13020522)			
668591.41	4342100.72	11.59123	(13020522)	668812.72
4342100.72	13.13698 (13020522)			
669034.03	4342100.72	16.19634	(13020522)	669255.34
4342100.72	20.22420 (13020522)			

669476.65	4342100.72	29.00451	(12013105)	669697.96
4342100.72	30.21660	(12013105)		
669919.27	4342100.72	31.37839	(10021801)	670140.58
4342100.72	25.07904	(11070922)		
670361.89	4342100.72	58.43690	(10013107)	670583.20
4342100.72	55.18687	(11022224)		
671468.44	4342100.72	38.99635	(13052919)	671689.75
4342100.72	31.36543	(10081319)		
671911.06	4342100.72	39.30357	(11110903)	672132.37
4342100.72	19.06542	(12110617)		
672353.68	4342100.72	11.31926	(11051019)	672574.99
4342100.72	35.27048	(13020407)		
668148.79	4342265.68	8.20613	(12011605)	668370.10
4342265.68	9.56654	(10013107)		
668591.41	4342265.68	10.13066	(10013107)	668812.72
4342265.68	11.43873	(09121706)		
669034.03	4342265.68	13.05533	(09121706)	669255.34
4342265.68	16.17499	(11022224)		
669476.65	4342265.68	19.75683	(11010403)	669697.96
4342265.68	28.30708	(12121507)		
669919.27	4342265.68	32.39298	(13020222)	670140.58
4342265.68	45.59525	(12121918)		
670361.89	4342265.68	42.05954	(13022505)	670583.20
4342265.68	53.05739	(10120703)		
670804.51	4342265.68	76.78698	(12122805)	671025.82
4342265.68	128.92634	(13121803)		
671247.13	4342265.68	167.41649	(09020506)	671468.44
4342265.68	36.78069	(11032104)		
671689.75	4342265.68	31.86024	(13092318)	671911.06
4342265.68	30.15671	(10082519)		
672132.37	4342265.68	36.52591	(11012804)	672353.68
4342265.68	27.86408	(13061621)		
672574.99	4342265.68	27.96872	(13031621)	668148.79
4342430.64	8.02301	(11022224)		
668370.10	4342430.64	8.94328	(11010403)	668591.41
4342430.64	9.87930	(12121507)		
668812.72	4342430.64	11.04099	(12121507)	669034.03
4342430.64	12.41006	(13020222)		
669255.34	4342430.64	14.27709	(12121918)	669476.65
4342430.64	16.76212	(10020203)		
669697.96	4342430.64	19.72376	(13022505)	669919.27
4342430.64	24.08961	(11121806)		
670140.58	4342430.64	29.04508	(10120703)	670361.89
4342430.64	36.88130	(10121606)		
670583.20	4342430.64	67.85903	(09012704)	670804.51
4342430.64	86.28005	(11021306)		
671025.82	4342430.64	109.49871	(11121801)	671247.13
4342430.64	35.41790	(10122222)		
671468.44	4342430.64	27.29469	(09122822)	671689.75
4342430.64	22.21634	(11081119)		

671911.06	4342430.64	19.75901	(13081419)	672132.37
4342430.64	33.62019 (13050904)			
672353.68	4342430.64	39.44078	(10011503)	672574.99
4342430.64	24.52585 (11012804)			
668148.79	4342595.60	7.90364	(09121623)	668370.10
4342595.60	8.72839 (09121623)			
668591.41	4342595.60	9.72725	(12121918)	668812.72
4342595.60	10.83673 (10020203)			
669034.03	4342595.60	12.21245	(09010221)	669255.34
4342595.60	14.01114 (13120721)			
669476.65	4342595.60	16.06554	(10121602)	669697.96
4342595.60	18.96279 (10120703)			
669919.27	4342595.60	22.26576	(13020221)	670140.58
4342595.60	28.32757 (10012403)			
670361.89	4342595.60	40.34632	(09122606)	670583.20
4342595.60	38.10143 (12121220)			
670804.51	4342595.60	62.11841	(09120808)	671025.82
4342595.60	85.98249 (13020304)			
671247.13	4342595.60	49.53884	(09080620)	671468.44
4342595.60	18.06766 (13050605)			
671689.75	4342595.60	14.02769	(12063022)	671911.06
4342595.60	12.17638 (10042105)			
672132.37	4342595.60	16.61268	(12100619)	672353.68
4342595.60	38.05296 (12013023)			

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1005

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP7 ***
 INCLUDING SOURCE(S): STCK1 , STCK2
 , STCK3 , STCK4 , STCK5 ,
 STCK6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672574.99	4342595.60	25.06695	(10011503)	668148.79
4342760.56	7.85815 (10020203)			

668370.10	4342760.56	8.67289	(09010221)	668591.41
4342760.56	9.55307 (13120721)			
668812.72	4342760.56	10.60509	(11121806)	669034.03
4342760.56	12.01485 (10121602)			
669255.34	4342760.56	13.64797	(10120703)	669476.65
4342760.56	15.39137 (13020221)			
669697.96	4342760.56	21.29259	(11010901)	669919.27
4342760.56	24.25262 (10021902)			
670140.58	4342760.56	39.47114	(12012907)	670361.89
4342760.56	45.60494 (10020205)			
670583.20	4342760.56	27.25399	(13082806)	670804.51
4342760.56	38.81155 (09072101)			
671025.82	4342760.56	40.46705	(10080601)	671247.13
4342760.56	19.67619 (13012117)			
671468.44	4342760.56	14.27149	(10020119)	671689.75
4342760.56	12.33958 (09112608)			
671911.06	4342760.56	10.33034	(12063021)	672132.37
4342760.56	10.18648 (13012706)			
672353.68	4342760.56	33.40443	(13042320)	672574.99
4342760.56	30.99647 (11121722)			
668148.79	4342925.52	7.78463	(13120721)	668370.10
4342925.52	8.46438 (11121806)			
668591.41	4342925.52	9.44602	(10012405)	668812.72
4342925.52	10.35634 (10120703)			
669034.03	4342925.52	11.56204	(14010203)	669476.65
4342925.52	14.95264 (10012403)			
669697.96	4342925.52	21.07861	(10021902)	669919.27
4342925.52	31.78445 (11122703)			
670140.58	4342925.52	35.08637	(10020205)	670361.89
4342925.52	36.67110 (13120521)			
670583.20	4342925.52	47.96082	(13021803)	670804.51
4342925.52	50.02102 (13021802)			
671025.82	4342925.52	14.62377	(13082205)	671247.13
4342925.52	15.70093 (13012117)			
671468.44	4342925.52	11.37037	(12011417)	671689.75
4342925.52	10.03598 (13093018)			
671911.06	4342925.52	8.62804	(13082319)	672132.37
4342925.52	6.82235 (12041819)			
672353.68	4342925.52	13.43090	(13071420)	672574.99
4342925.52	26.63230 (13042320)			
668148.79	4343090.48	7.55916	(10012405)	668370.10
4343090.48	8.22190 (10120703)			
668591.41	4343090.48	9.13261	(14010203)	669476.65
4343090.48	13.67480 (09012704)			
669697.96	4343090.48	15.97093	(09120807)	669919.27
4343090.48	20.73987 (10012404)			
670140.58	4343090.48	33.32565	(09120602)	670361.89
4343090.48	29.01173 (13021807)			
670583.20	4343090.48	28.80238	(11121724)	670804.51
4343090.48	45.91984 (12111201)			

671025.82	4343090.48	12.43958	(13082205)	671247.13
4343090.48	12.48913	(13012117)		
671468.44	4343090.48	9.39600	(12011417)	671689.75
4343090.48	7.72810	(11030623)		
671911.06	4343090.48	7.16631	(10100218)	672132.37
4343090.48	6.42889	(12063021)		
672353.68	4343090.48	5.46928	(11081119)	672574.99
4343090.48	6.86158	(13071420)		
668148.79	4343255.44	7.34683	(12123123)	668370.10
4343255.44	8.00453	(13020221)		
668591.41	4343255.44	8.81507	(11010901)	669476.65
4343255.44	13.36511	(09120807)		
669697.96	4343255.44	15.17435	(10012404)	669919.27
4343255.44	18.33238	(11021306)		
670140.58	4343255.44	21.53930	(09021924)	670361.89
4343255.44	22.09833	(13021624)		
670583.20	4343255.44	23.30656	(09120805)	670804.51
4343255.44	30.79778	(10021819)		
671025.82	4343255.44	10.49650	(12030323)	671247.13
4343255.44	9.93930	(09111117)		
671468.44	4343255.44	8.53656	(13100819)	671689.75
4343255.44	7.30740	(13090121)		
671911.06	4343255.44	6.45923	(09112608)	672132.37
4343255.44	5.73493	(13082319)		
672353.68	4343255.44	5.53800	(12063021)	672574.99
4343255.44	4.42731	(11081119)		
668148.79	4343420.40	7.24328	(10121606)	668370.10
4343420.40	7.85235	(13120522)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1006

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP7 ***
 INCLUDING SOURCE(S): STCK1 , STCK2
 , STCK3 , STCK4 , STCK5 ,
 STCK6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

668591.41	4343420.40	8.51813	(12122805)	668812.72
4343420.40	9.24966 (10021902)			
669034.03	4343420.40	9.90076	(09122606)	669255.34
4343420.40	10.98585 (09120807)			
669476.65	4343420.40	12.13860	(10012404)	669697.96
4343420.40	14.55010 (11021306)			
669919.27	4343420.40	16.04696	(11010402)	670140.58
4343420.40	16.71391 (09011922)			
670361.89	4343420.40	18.51967	(11121724)	670583.20
4343420.40	20.03547 (10021822)			
670804.51	4343420.40	27.04752	(12122804)	671025.82
4343420.40	26.03310 (10120702)			
671247.13	4343420.40	11.89782	(09111117)	671468.44
4343420.40	7.35794 (12101007)			
671689.75	4343420.40	6.67353	(12021724)	671911.06
4343420.40	5.29053 (13011004)			
672132.37	4343420.40	4.71988	(09040302)	672353.68
4343420.40	4.31589 (10030721)			
672574.99	4343420.40	3.91759	(11030418)	668148.79
4343585.36	7.38198 (10012403)			
668370.10	4343585.36	7.84881	(12122805)	668591.41
4343585.36	8.02648 (10021902)			
668812.72	4343585.36	8.71755	(09122606)	669034.03
4343585.36	9.70403 (09120807)			
669255.34	4343585.36	10.55733	(10012404)	669476.65
4343585.36	11.55828 (13120520)			
669697.96	4343585.36	12.59474	(13120521)	669919.27
4343585.36	13.75763 (11122602)			
670140.58	4343585.36	15.13012	(13021624)	670361.89
4343585.36	16.54187 (11121801)			
670583.20	4343585.36	17.71697	(12111201)	670804.51
4343585.36	20.50083 (11010908)			
671025.82	4343585.36	24.48991	(12010922)	671247.13
4343585.36	12.05408 (09080620)			
671468.44	4343585.36	7.52874	(12101007)	671689.75
4343585.36	6.63719 (12021724)			
671911.06	4343585.36	4.89317	(09021120)	672132.37
4343585.36	4.76566 (09112608)			
672353.68	4343585.36	4.13224	(12063022)	672574.99
4343585.36	4.06078 (12063021)			
668148.79	4343750.32	7.10270	(10021902)	668370.10
4343750.32	7.84868 (09012704)			
668591.41	4343750.32	8.11563	(12012907)	668812.72
4343750.32	8.59589 (09120807)			
669034.03	4343750.32	10.35606	(10012404)	669255.34
4343750.32	10.91756 (13120520)			
669476.65	4343750.32	10.99879	(09120602)	669697.96
4343750.32	11.75558 (09021924)			

669919.27	4343750.32	12.73886	(10120202)	670140.58
4343750.32	13.88466	(11121724)		
670361.89	4343750.32	15.25024	(10021822)	670583.20
4343750.32	16.08396	(13020304)		
670804.51	4343750.32	17.10482	(09020202)	671025.82
4343750.32	18.30454	(09042824)		
671247.13	4343750.32	28.91786	(12011703)	671468.44
4343750.32	25.64130	(12021921)		
671689.75	4343750.32	25.57401	(13122623)	671911.06
4343750.32	11.95423	(11071821)		
672132.37	4343750.32	5.62260	(09112608)	672353.68
4343750.32	4.05709	(10100218)		
672574.99	4343750.32	3.65569	(10050719)	668148.79
4343915.28	6.54198	(09012704)		
668370.10	4343915.28	7.46324	(12012907)	668591.41
4343915.28	8.53176	(09120807)		
668812.72	4343915.28	8.90838	(10012404)	669034.03
4343915.28	10.27073	(12021920)		
669255.34	4343915.28	11.14124	(13020224)	669476.65
4343915.28	11.05827	(13022504)		
669697.96	4343915.28	11.10069	(13021807)	669919.27
4343915.28	11.82602	(10011505)		
670140.58	4343915.28	12.89216	(10121220)	670361.89
4343915.28	13.63056	(09122802)		
670583.20	4343915.28	15.00591	(10021819)	670804.51
4343915.28	15.83634	(10052103)		
671025.82	4343915.28	18.38567	(09042824)	671247.13
4343915.28	17.33773	(12011703)		
671468.44	4343915.28	23.10674	(10041523)	671689.75
4343915.28	19.29652	(13122623)		
671911.06	4343915.28	9.47533	(13111705)	672132.37
4343915.28	8.52533	(12022623)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1007

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP7 ***
 INCLUDING SOURCE(S): STCK1 , STCK2
 , STCK3 , STCK4 , STCK5 ,
 STCK6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672353.68	4343915.28	6.01975	(10011504)	672574.99
4343915.28	4.55274 (11092319)			
668148.79	4344080.24	6.43258	(11122703)	668370.10
4344080.24	7.07352 (09120807)			
668591.41	4344080.24	8.03213	(10012404)	668812.72
4344080.24	9.04348 (12021920)			
669034.03	4344080.24	10.05543	(13020224)	669255.34
4344080.24	10.99447 (11010402)			
669476.65	4344080.24	10.25119	(11122602)	669697.96
4344080.24	10.55398 (13021803)			
669919.27	4344080.24	11.30133	(11121724)	670140.58
4344080.24	13.60173 (09120805)			
670361.89	4344080.24	12.48432	(09111523)	670583.20
4344080.24	13.87086 (12122804)			
670804.51	4344080.24	16.44718	(09022106)	671025.82
4344080.24	23.94832 (09042824)			
671247.13	4344080.24	17.24905	(12011703)	671468.44
4344080.24	15.00014 (10041523)			
671689.75	4344080.24	10.70099	(11012902)	671911.06
4344080.24	4.95819 (12021724)			
672132.37	4344080.24	4.06737	(13082220)	672353.68
4344080.24	4.20459 (09112608)			
672574.99	4344080.24	3.63169	(10100218)	671464.71
4342094.27	40.55668 (13052919)			
671482.23	4342063.91	42.06837	(13072319)	671498.58
4342030.05	44.86589 (10080119)			
671513.75	4341991.52	48.98451	(13050819)	671541.78
4341964.66	49.44849 (13021920)			
671575.64	4341974.00	40.91124	(10111924)	671460.75
4342162.97	35.14070 (10073019)			
671451.00	4342187.35	35.25230	(09060419)	671510.73
4342219.66	32.01496 (13012706)			
671524.14	4342192.84	31.22665	(09052719)	671522.92
4342250.74	33.16560 (10042105)			
671599.11	4342252.57	30.78377	(10100221)	671627.76
4342256.84	31.03991 (13081419)			
671583.88	4342116.03	27.79177	(10080419)	671595.46
4342071.54	28.25300 (10032618)			
671663.12	4342056.30	30.29256	(13021919)	671600.94
4342030.09	31.54760 (13082119)			
671526.58	4342155.65	30.19050	(11061119)	671628.98
4342292.19	30.55941 (13081419)			
671641.78	4341980.71	36.99128	(12052224)	671666.77
4342018.51	33.62024 (13012708)			

671407.11	4342219.66	39.85019	(12121416)	671415.64
4342183.08	39.68869	(10102017)		
671635.08	4341706.42	101.64433	(11051920)	671693.59
4341710.08	89.76882	(13052920)		
671719.80	4341736.29	88.87435	(12090723)	671673.48
4341630.23	88.65962	(13120120)		
671888.04	4341936.22	61.22831	(13122317)	671977.64
4341952.07	36.24837	(09102405)		
672039.21	4341894.77	22.68028	(13110517)	671858.17
4341753.96	75.33039	(11032902)		
671922.78	4341634.49	59.90968	(12051524)	671613.74
4341791.15	96.93710	(10081303)		
671853.29	4341730.80	74.19306	(12041421)	671783.81
4341585.73	72.71042	(11051920)		
671783.20	4341546.72	70.14223	(13120120)	671769.18
4341461.38	67.12161	(12123124)		
671800.87	4341420.54	63.71661	(12123124)	671880.11
4341427.25	56.91407	(13120120)		
672012.39	4341504.66	17.02650	(12081519)	672084.31
4341547.94	23.27504	(12101607)		
671915.47	4341478.45	52.41903	(11051920)	671903.28
4341564.40	59.34578	(13052920)		
671863.05	4341522.34	63.77325	(11051920)	671830.13
4341336.43	56.31895	(09033019)		
671835.62	4341287.66	54.79541	(12121104)	671825.87
4341275.47	53.69227	(12121104)		
672136.73	4341370.56	11.36124	(13052920)	671920.34
4341307.17	40.66705	(13122203)		
671695.42	4341257.19	52.46916	(12121423)	671682.01
4341176.12	37.52954	(10012623)		
671991.66	4341196.23	35.59734	(11010418)	672022.14
4341231.59	29.22528	(12092719)		
671992.27	4341177.95	27.61299	(11010418)	671540.60
4341238.29	19.04212	(12101022)		
671575.34	4341177.95	16.67088	(12101022)	671454.65
4341196.23	17.43558	(09032507)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1008

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP7 ***
 INCLUDING SOURCE(S): STCK1 , STCK2
 , STCK3 , STCK4 , STCK5 ,
 STCK6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
671523.53	4341116.38	14.69246	(09100407)	671413.20
4341126.74	16.60214	(10050306)		
671471.11	4341064.57	13.62172	(09032507)	671601.55
4341050.55	18.67165	(11033119)		
671198.64	4341253.53	16.74430	(09091204)	671278.49
4341212.08	18.15535	(13122103)		
671230.34	4341132.84	13.79750	(11111319)	671073.08
4341271.82	15.04422	(12050719)		
671122.45	4341373.61	19.22754	(12123006)	671118.79
4341397.38	20.56435	(12123006)		
670978.40	4341324.15	15.61216	(12123004)	670932.85
4341394.21	18.50935	(12012405)		
670935.19	4341367.36	17.37870	(12012405)	671108.01
4340976.17	13.92631	(10102519)		
671286.67	4340978.51	13.25501	(13072501)	671675.37
4342488.78	18.41840	(10021919)		
671091.40	4342277.23	160.75099	(11011221)	671051.75
4342332.07	96.70495	(10021222)		
671051.75	4342369.20	114.16561	(09010721)	670953.04
4342360.76	100.40749	(13022504)		
670695.71	4342235.89	72.89574	(12123123)	670545.53
4342318.58	50.86042	(14010203)		
670711.74	4342488.16	67.98525	(12021920)	670648.30
4342501.73	56.99536	(13123019)		
670648.30	4342630.87	22.44307	(11100924)	670806.29
4342728.41	38.80044	(13070423)		
670688.15	4342739.41	19.03394	(13110301)	670804.92
4342427.55	86.64324	(13120520)		
670439.48	4342471.51	43.92490	(12122805)	670358.43
4342578.67	39.23697	(09012704)		
670546.64	4342662.47	45.05131	(11121108)	670537.03
4342595.15	47.74030	(13123019)		
670483.45	4342776.50	38.93669	(12012908)	670508.17
4342754.52	38.69083	(12012908)		
670517.79	4342868.54	37.42609	(09020507)	670545.27
4342850.69	32.10861	(09020507)		
670582.36	4342878.16	36.03208	(09020308)	670304.85
4342688.57	45.34079	(09120807)		
670039.70	4342661.10	25.15690	(12122805)	670156.48
4342673.46	31.00310	(10021902)		

670236.16	4342648.73	35.01516	(09012704)	670071.30
4342738.03	29.34673	(09012704)		
669990.24	4342753.14	26.43639	(10021902)	669928.42
4342742.15	23.75013	(12122805)		
669815.77	4342673.46	21.32332	(10121606)	669742.96
4342655.60	20.53565	(13020221)		
669791.04	4342744.90	22.20436	(13120522)	669696.25
4342731.16	21.04133	(10121606)		
669536.88	4342552.57	16.84689	(11121806)	671174.86
4342280.21	189.97082	(12122804)		
671068.38	4342169.93	138.94893	(10032019)	670965.71
4342179.44	130.54995	(12122807)		
670815.50	4342198.45	79.34531	(12123123)	670737.55
4342097.68	70.32180	(11010403)		
670762.27	4342069.16	73.34775	(10013107)	670817.40
4342040.64	80.29974	(13020522)		
670895.36	4342025.43	90.73948	(11123022)	670979.02
4341915.15	92.60163	(09071703)		
671115.92	4341863.81	96.86320	(12020119)	671199.58
4341770.65	102.03933	(09082101)		
671222.39	4341377.07	27.98688	(09091204)	671714.84
4341392.28	66.22665	(13011419)		
671366.89	4341998.81	281.23299	(13031621)	671226.19
4342236.48	215.52311	(12010922)		
669098.44	4343411.59	10.16609	(12012907)	668908.63
4343364.56	9.76092	(10021902)		
668851.52	4343359.52	9.59287	(10021902)	668831.37
4343371.27	9.48387	(10021902)		
668733.94	4343302.41	9.28306	(10012403)	668686.91
4343199.95	9.27570	(11010901)		
668671.79	4343089.09	9.37861	(14010203)	668806.17
4343001.74	10.13710	(12123123)		
668918.71	4343025.26	10.68330	(13020221)	669024.53
4342942.95	11.42448	(14010203)		
669288.24	4342916.08	13.38239	(10121606)	669333.59
4342922.80	13.70131	(11010901)		
669365.51	4342978.23	13.72932	(10012403)	669336.95
4343151.23	12.50502	(10021902)		
669303.36	4343304.09	11.60201	(12012907)	669222.73
4343235.22	11.41974	(09012704)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1009

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP7 ***

INCLUDING SOURCE(S): STCK1 , STCK2
, STCK3 , STCK4 , STCK5 ,
STCK6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
669135.39	4343305.77	10.72350	(09012704)	

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 1010
*** MODELOPTs: RegDFault CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP8 ***
INCLUDING SOURCE(S): STCK10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4340781.04	21.74160	(13010818)	668370.10
4340781.04	13.88869	(13012205)		
668591.41	4340781.04	12.42810	(10021523)	668812.72
4340781.04	14.08292	(09071621)		
669034.03	4340781.04	11.81968	(11122708)	669255.34
4340781.04	9.43733	(11090721)		
669476.65	4340781.04	11.08236	(09090305)	669697.96
4340781.04	8.69977	(10080121)		
669919.27	4340781.04	4.93763	(09081222)	670140.58
4340781.04	4.23697	(12101022)		
670361.89	4340781.04	3.85366	(12021319)	670583.20
4340781.04	3.46860	(10031020)		

670804.51	4340781.04	3.19697	(12030118)	671025.82
4340781.04	2.62708 (10102518)			
671247.13	4340781.04	2.73606	(10102518)	671468.44
4340781.04	2.73762 (12041322)			
671689.75	4340781.04	2.69147	(09061522)	671911.06
4340781.04	2.91072 (11050906)			
672132.37	4340781.04	2.40862	(09061521)	672353.68
4340781.04	2.51371 (13050722)			
672574.99	4340781.04	3.24910	(13052920)	668148.79
4340946.00	19.24060 (13120102)			
668370.10	4340946.00	23.53748	(13022204)	668591.41
4340946.00	19.80407 (13012904)			
668812.72	4340946.00	20.01517	(09071621)	669034.03
4340946.00	11.75455 (11122708)			
669255.34	4340946.00	11.01914	(11090721)	669476.65
4340946.00	12.04190 (12081721)			
669697.96	4340946.00	6.87600	(13041906)	669919.27
4340946.00	4.64027 (12101022)			
670140.58	4340946.00	4.61683	(13012719)	670361.89
4340946.00	4.44471 (13092718)			
670583.20	4340946.00	4.77114	(12052524)	670804.51
4340946.00	3.40918 (12021318)			
671025.82	4340946.00	3.28208	(10102518)	671247.13
4340946.00	2.92496 (10021924)			
671468.44	4340946.00	2.83611	(12041322)	671689.75
4340946.00	3.35337 (11050906)			
671911.06	4340946.00	2.99058	(09061521)	672132.37
4340946.00	2.31162 (10021922)			
672353.68	4340946.00	2.49858	(09012523)	672574.99
4340946.00	3.08816 (12081519)			
668148.79	4341110.96	21.55901	(13012822)	668370.10
4341110.96	24.72199 (13011423)			
668591.41	4341110.96	22.07591	(13120119)	668812.72
4341110.96	19.09695 (11012707)			
669034.03	4341110.96	14.69601	(11122708)	669255.34
4341110.96	17.19533 (11120723)			
669476.65	4341110.96	11.71044	(12081721)	669697.96
4341110.96	6.75391 (13041906)			
669919.27	4341110.96	7.27308	(12101022)	670140.58
4341110.96	4.65530 (12021319)			
670361.89	4341110.96	4.68626	(13092718)	670583.20
4341110.96	3.69655 (12030118)			
670804.51	4341110.96	3.25482	(10102518)	671025.82
4341110.96	3.08536 (10092818)			
671247.13	4341110.96	3.25035	(12041322)	671468.44
4341110.96	3.25468 (11050906)			
671689.75	4341110.96	3.25361	(10110117)	671911.06
4341110.96	3.03774 (10021922)			
672132.37	4341110.96	2.39919	(09012523)	672353.68
4341110.96	2.38922 (12081519)			

672574.99	4341110.96	3.31743	(10081303)	668148.79
4341275.92	26.77252 (11012619)			
668370.10	4341275.92	29.27968	(10022302)	668591.41
4341275.92	20.96229 (13121008)			
668812.72	4341275.92	13.72233	(11012707)	669034.03
4341275.92	8.80170 (09082723)			
669255.34	4341275.92	10.69672	(12072321)	669476.65
4341275.92	12.50635 (13072424)			
669697.96	4341275.92	9.89351	(13062723)	669919.27
4341275.92	5.92141 (12101022)			
670140.58	4341275.92	4.45183	(12021319)	670361.89
4341275.92	4.50528 (12052524)			
670583.20	4341275.92	3.71095	(12021318)	670804.51
4341275.92	3.64789 (10102518)			
671025.82	4341275.92	3.37886	(12041322)	671247.13
4341275.92	3.54838 (11050906)			
671468.44	4341275.92	3.49556	(10110117)	671689.75
4341275.92	3.50095 (10021922)			

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1011

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP8 ***
 INCLUDING SOURCE(S): STCK10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
671911.06	4341275.92	3.25497	(09012523)	672132.37
4341275.92	2.54731 (12081519)			
672353.68	4341275.92	2.28617	(09010602)	672574.99
4341275.92	3.47998 (12101607)			
668148.79	4341440.88	30.30480	(10021601)	668370.10
4341440.88	28.70040 (13010818)			
668591.41	4341440.88	20.39418	(10021604)	668812.72
4341440.88	12.70666 (12081701)			
669034.03	4341440.88	9.81466	(09082723)	669255.34
4341440.88	13.04781 (10021524)			

669476.65	4341440.88	12.18991	(12100124)	669697.96
4341440.88	8.19361 (09081222)			
669919.27	4341440.88	5.44003	(13012719)	670140.58
4341440.88	5.17175 (13092718)			
670361.89	4341440.88	4.25168	(12030118)	670583.20
4341440.88	4.09961 (10102518)			
670804.51	4341440.88	3.92179	(10021924)	671025.82
4341440.88	3.41616 (11050906)			
671689.75	4341440.88	5.53341	(13052920)	671911.06
4341440.88	3.43342 (12081519)			
672132.37	4341440.88	2.56789	(09010602)	672353.68
4341440.88	2.51903 (13102804)			
672574.99	4341440.88	4.66278	(09111517)	668148.79
4341605.84	22.95798 (09020701)			
668370.10	4341605.84	17.37095	(13042801)	668591.41
4341605.84	16.62444 (13012205)			
668812.72	4341605.84	14.80133	(09042502)	669034.03
4341605.84	13.60873 (09082723)			
669255.34	4341605.84	13.59057	(10021524)	669476.65
4341605.84	10.30045 (12061322)			
669697.96	4341605.84	7.88548	(12101022)	669919.27
4341605.84	5.69273 (12021319)			
670140.58	4341605.84	4.93565	(12052524)	670361.89
4341605.84	4.39920 (12021318)			
670583.20	4341605.84	4.28748	(10092818)	670804.51
4341605.84	4.48352 (12041322)			
671025.82	4341605.84	4.26816	(11050906)	671689.75
4341605.84	5.52886 (10081303)			
671911.06	4341605.84	3.93113	(12090723)	672132.37
4341605.84	3.34126 (12101607)			
672353.68	4341605.84	3.21682	(10111117)	672574.99
4341605.84	5.43035 (09073123)			
668148.79	4341770.80	35.96726	(09010818)	668370.10
4341770.80	16.83169 (09082904)			
668591.41	4341770.80	23.72551	(09121804)	668812.72
4341770.80	20.34405 (13022821)			
669034.03	4341770.80	15.53874	(09082723)	669255.34
4341770.80	9.72365 (09011917)			
669476.65	4341770.80	8.44522	(12110317)	669697.96
4341770.80	7.80289 (13011817)			
669919.27	4341770.80	5.90187	(13092718)	670140.58
4341770.80	5.26612 (12021318)			
670361.89	4341770.80	5.17905	(10102518)	670583.20
4341770.80	5.04662 (12041322)			
670804.51	4341770.80	5.69738	(11050906)	671025.82
4341770.80	4.88289 (10021922)			
671689.75	4341770.80	3.92165	(12101607)	671911.06
4341770.80	4.49092 (12101607)			
672132.37	4341770.80	2.73705	(12011017)	672353.68
4341770.80	2.58851 (09031118)			

672574.99	4341770.80	5.29343	(11032902)	668148.79
4341935.76	6.15535 (12122707)			
668370.10	4341935.76	42.06982	(13021307)	668591.41
4341935.76	25.64800 (10022302)			
668812.72	4341935.76	17.54569	(10021523)	669034.03
4341935.76	12.84708 (09082723)			
669255.34	4341935.76	9.47878	(10050306)	669476.65
4341935.76	9.28327 (09100407)			
669697.96	4341935.76	7.03777	(13012719)	669919.27
4341935.76	5.71105 (10022118)			
670140.58	4341935.76	5.18952	(12021318)	670361.89
4341935.76	5.36211 (10021924)			
670583.20	4341935.76	6.18878	(11050906)	670804.51
4341935.76	9.81760 (11051920)			
671468.44	4341935.76	4.05584	(12101607)	671689.75
4341935.76	4.08682 (10111117)			
671911.06	4341935.76	3.59722	(10111117)	672132.37
4341935.76	2.99937 (13011917)			
672353.68	4341935.76	2.75738	(13011917)	672574.99
4341935.76	4.31096 (09092922)			

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1012

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP8 ***
 INCLUDING SOURCE(S): STCK10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4342100.72	37.39874	(10121518)	668370.10
4342100.72	32.72085 (13012808)			
668591.41	4342100.72	20.41266	(13120102)	668812.72
4342100.72	19.28499 (09062720)			
669034.03	4342100.72	12.43799	(09081620)	669255.34
4342100.72	11.98352 (10050306)			
669476.65	4342100.72	8.90106	(11102917)	669697.96
4342100.72	7.97279 (12021319)			

669919.27	4342100.72	6.93728	(12021318)	670140.58
4342100.72	6.28419 (10102518)			
670361.89	4342100.72	7.05373	(11050906)	670583.20
4342100.72	13.38468 (11051920)			
671468.44	4342100.72	3.35667	(12011017)	671689.75
4342100.72	3.60290 (09031118)			
671911.06	4342100.72	4.12136	(13011917)	672132.37
4342100.72	3.29028 (09092922)			
672353.68	4342100.72	2.63846	(10031618)	672574.99
4342100.72	3.73841 (10010517)			
668148.79	4342265.68	48.43473	(09121805)	668370.10
4342265.68	32.57479 (12120803)			
668591.41	4342265.68	51.93780	(09101922)	668812.72
4342265.68	43.81866 (13121008)			
669034.03	4342265.68	36.02080	(13122606)	669255.34
4342265.68	21.04006 (12081721)			
669476.65	4342265.68	16.18568	(12101022)	669697.96
4342265.68	11.30688 (13092718)			
669919.27	4342265.68	9.46131	(11111217)	670140.58
4342265.68	8.49816 (12041322)			
670361.89	4342265.68	12.54100	(12080720)	670583.20
4342265.68	13.19695 (13052920)			
670804.51	4342265.68	10.27819	(12090723)	671025.82
4342265.68	5.28175 (12101607)			
671247.13	4342265.68	5.05852	(10111117)	671468.44
4342265.68	4.33039 (13011917)			
671689.75	4342265.68	3.88911	(13011917)	671911.06
4342265.68	3.78674 (09092922)			
672132.37	4342265.68	3.17718	(10010517)	672353.68
4342265.68	3.06313 (11012717)			
672574.99	4342265.68	4.29680	(13111517)	668148.79
4342430.64	8.76597 (13121005)			
668370.10	4342430.64	60.52922	(09012803)	668591.41
4342430.64	12.23894 (09020701)			
668812.72	4342430.64	13.75337	(13022204)	669034.03
4342430.64	14.48593 (13011907)			
669255.34	4342430.64	67.48286	(09010404)	669476.65
4342430.64	39.33134 (11120721)			
669697.96	4342430.64	32.74729	(13010201)	669919.27
4342430.64	22.37927 (13122203)			
670140.58	4342430.64	20.78104	(11092622)	670361.89
4342430.64	17.16367 (13052920)			
670583.20	4342430.64	6.70533	(09120718)	670804.51
4342430.64	7.85944 (10111117)			
671025.82	4342430.64	5.86726	(13042619)	671247.13
4342430.64	4.68384 (13011917)			
671468.44	4342430.64	3.84948	(09122206)	671689.75
4342430.64	3.26195 (10031618)			
671911.06	4342430.64	3.34984	(11012717)	672132.37
4342430.64	3.58356 (09050719)			

672353.68	4342430.64	5.03433	(10091419)	672574.99
4342430.64	7.28867 (12081720)			
668148.79	4342595.60	10.07362	(13022521)	668370.10
4342595.60	12.26079 (09021007)			
668591.41	4342595.60	15.06794	(09010405)	668812.72
4342595.60	17.80563 (10022302)			
669034.03	4342595.60	19.20557	(13011106)	669255.34
4342595.60	92.27393 (09012719)			
669476.65	4342595.60	75.33996	(10012623)	669697.96
4342595.60	36.14333 (12100704)			
669919.27	4342595.60	40.64456	(11092622)	670140.58
4342595.60	18.16048 (13052920)			
670361.89	4342595.60	11.36818	(12101607)	670583.20
4342595.60	6.40071 (09031118)			
670804.51	4342595.60	6.81295	(13011917)	671025.82
4342595.60	6.71706 (09092922)			
671247.13	4342595.60	4.27013	(11012717)	671468.44
4342595.60	3.72828 (11012717)			
671689.75	4342595.60	3.54901	(13051019)	671911.06
4342595.60	3.17725 (13051019)			
672132.37	4342595.60	3.19739	(13120717)	672353.68
4342595.60	4.23046 (13120717)			

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1013

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP8 ***
 INCLUDING SOURCE(S): STCK10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672574.99	4342595.60	5.90956	(09090320)	668148.79
4342760.56	40.59086 (10121505)			
668370.10	4342760.56	79.33725	(12011604)	668591.41
4342760.56	19.28757 (10123023)			
668812.72	4342760.56	102.83106	(10021601)	669034.03
4342760.56	96.31671 (13121118)			

669255.34	4342760.56	68.63332	(13062723)	669476.65
4342760.56	91.07279 (13010201)			
669697.96	4342760.56	18.97314	(11050906)	669919.27
4342760.56	14.82827 (12081519)			
670140.58	4342760.56	9.21204	(13102804)	670361.89
4342760.56	9.13856 (13011917)			
670583.20	4342760.56	6.59039	(09122206)	670804.51
4342760.56	5.44006 (11012717)			
671025.82	4342760.56	5.38289	(09050719)	671247.13
4342760.56	4.53752 (13051019)			
671468.44	4342760.56	3.30494	(13051019)	671689.75
4342760.56	3.00370 (13120717)			
671911.06	4342760.56	3.09483	(09012017)	672132.37
4342760.56	3.45388 (09012017)			
672353.68	4342760.56	3.99620	(09012017)	672574.99
4342760.56	3.83809 (09092920)			
668148.79	4342925.52	55.75741	(10013101)	668370.10
4342925.52	88.16916 (10121505)			
668591.41	4342925.52	111.19279	(13122607)	668812.72
4342925.52	164.83534 (09010818)			
669034.03	4342925.52	150.53263	(13022822)	669476.65
4342925.52	65.50970 (12050420)			
669697.96	4342925.52	19.24055	(12081519)	669919.27
4342925.52	13.30542 (09031118)			
670140.58	4342925.52	10.47361	(13011917)	670361.89
4342925.52	7.98354 (11012717)			
670583.20	4342925.52	8.54953	(09050719)	670804.51
4342925.52	6.41797 (13120717)			
671025.82	4342925.52	4.49566	(09012017)	671247.13
4342925.52	4.80663 (09012017)			
671468.44	4342925.52	3.89308	(13021920)	671689.75
4342925.52	3.50954 (13021920)			
671911.06	4342925.52	3.09585	(13050720)	672132.37
4342925.52	2.78338 (10111924)			
672353.68	4342925.52	3.37351	(11092618)	672574.99
4342925.52	3.88171 (11092618)			
668148.79	4343090.48	18.36391	(13020523)	668370.10
4343090.48	26.60060 (12021205)			
668591.41	4343090.48	144.35648	(13123002)	669476.65
4343090.48	101.29980 (10081303)			
669697.96	4343090.48	39.93222	(11032902)	669919.27
4343090.48	17.76299 (10010517)			
670140.58	4343090.48	11.40440	(09050719)	670361.89
4343090.48	11.46524 (13120717)			
670583.20	4343090.48	12.34003	(09092920)	670804.51
4343090.48	7.35871 (13110517)			
671025.82	4343090.48	4.92460	(10111924)	671247.13
4343090.48	4.23666 (10111924)			
671468.44	4343090.48	3.82291	(09010601)	671689.75
4343090.48	3.45329 (09010601)			

671911.06	4343090.48	3.08083	(09010601)	672132.37
4343090.48	2.71918 (09010601)			
672353.68	4343090.48	2.52335	(12052224)	672574.99
4343090.48	2.70826 (12052224)			
668148.79	4343255.44	19.48193	(10013105)	668370.10
4343255.44	28.89642 (11123104)			
668591.41	4343255.44	50.13483	(09010402)	669476.65
4343255.44	65.59541 (12081720)			
669697.96	4343255.44	36.90510	(09092920)	669919.27
4343255.44	21.89747 (11092618)			
670140.58	4343255.44	15.89978	(11092618)	670361.89
4343255.44	18.85333 (09102405)			
670583.20	4343255.44	22.26340	(12013019)	670804.51
4343255.44	10.30853 (10093018)			
671025.82	4343255.44	5.01851	(12052224)	671247.13
4343255.44	4.28478 (12052224)			
671468.44	4343255.44	3.79889	(13050522)	671689.75
4343255.44	3.35281 (13050522)			
671911.06	4343255.44	3.00362	(13050522)	672132.37
4343255.44	2.79650 (13050522)			
672353.68	4343255.44	2.58233	(13050522)	672574.99
4343255.44	2.34307 (13050522)			
668148.79	4343420.40	20.27441	(12011605)	668370.10
4343420.40	30.07983 (12011605)			

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1014

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP8 ***
 INCLUDING SOURCE(S): STCK10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668591.41	4343420.40	50.87315	(11022224)	668812.72
4343420.40	124.62017 (12121918)			
669034.03	4343420.40	903.80233	(11121724)	669255.34
4343420.40	377.06680 (11012804)			

669476.65	4343420.40	190.51696	(11110903)	669697.96
4343420.40	31.08316 (12101401)			
669919.27	4343420.40	28.62006	(12101401)	670140.58
4343420.40	41.05561 (13020407)			
670361.89	4343420.40	31.45146	(13020407)	670583.20
4343420.40	26.09161 (13020407)			
670804.51	4343420.40	8.99698	(11081719)	671025.82
4343420.40	5.87464 (11081719)			
671247.13	4343420.40	4.56758	(11081719)	671468.44
4343420.40	3.56743 (13012708)			
671689.75	4343420.40	3.17225	(13012708)	671911.06
4343420.40	2.84233 (13012708)			
672132.37	4343420.40	2.60437	(13012708)	672353.68
4343420.40	2.41385 (13012708)			
672574.99	4343420.40	2.23504	(13012708)	668148.79
4343585.36	57.62314 (13020101)			
668370.10	4343585.36	81.25298	(13032105)	668591.41
4343585.36	45.36533 (10121606)			
668812.72	4343585.36	232.81489	(12121220)	669034.03
4343585.36	178.16442 (13110224)			
669255.34	4343585.36	134.55513	(12062820)	669476.65
4343585.36	105.83128 (12013023)			
669697.96	4343585.36	113.13994	(09051204)	669919.27
4343585.36	80.55544 (11011824)			
670140.58	4343585.36	55.93349	(13031621)	670361.89
4343585.36	37.47164 (12090801)			
670583.20	4343585.36	21.05237	(13042019)	670804.51
4343585.36	13.66351 (11110903)			
671025.82	4343585.36	8.54256	(11110903)	671247.13
4343585.36	4.14803 (11091818)			
671468.44	4343585.36	3.51666	(10102517)	671689.75
4343585.36	3.23664 (10102517)			
671911.06	4343585.36	2.86249	(10102517)	672132.37
4343585.36	2.60719 (10102517)			
672353.68	4343585.36	2.36329	(10102517)	672574.99
4343585.36	2.17249 (10102517)			
668148.79	4343750.32	63.94295	(09020323)	668370.10
4343750.32	46.65106 (13072202)			
668591.41	4343750.32	65.87589	(12011719)	668812.72
4343750.32	103.26609 (09120404)			
669034.03	4343750.32	46.76068	(13012117)	669255.34
4343750.32	45.85509 (09112608)			
669476.65	4343750.32	71.72280	(13120923)	669697.96
4343750.32	83.68185 (11022219)			
669919.27	4343750.32	71.47366	(13050904)	670140.58
4343750.32	47.04247 (12011618)			
670361.89	4343750.32	27.66184	(11012804)	670583.20
4343750.32	27.97489 (13120201)			
670804.51	4343750.32	21.39845	(10080721)	671025.82
4343750.32	14.72031 (12090801)			

671247.13	4343750.32	6.33268	(11082219)	671468.44
4343750.32	5.98949 (11082219)			
671689.75	4343750.32	5.33164	(12110617)	671911.06
4343750.32	3.79682 (12110617)			
672132.37	4343750.32	2.84882	(13021919)	672353.68
4343750.32	2.31466 (13021919)			
672574.99	4343750.32	2.17374	(11091818)	668148.79
4343915.28	74.60298 (09012704)			
668370.10	4343915.28	45.88616	(12091421)	668591.41
4343915.28	38.67411 (10101722)			
668812.72	4343915.28	49.24229	(09122802)	669034.03
4343915.28	34.61117 (09111117)			
669255.34	4343915.28	32.55254	(13090121)	669476.65
4343915.28	34.93730 (11092521)			
669697.96	4343915.28	57.20669	(13082820)	669919.27
4343915.28	59.78806 (12100619)			
670140.58	4343915.28	34.72549	(09060505)	670361.89
4343915.28	28.35245 (10011503)			
670583.20	4343915.28	18.84293	(12011618)	670804.51
4343915.28	16.57470 (09051204)			
671025.82	4343915.28	10.56367	(11012804)	671247.13
4343915.28	12.84787 (13120201)			
671468.44	4343915.28	6.09809	(11082019)	671689.75
4343915.28	4.25253 (11082019)			
671911.06	4343915.28	3.31615	(10081319)	672132.37
4343915.28	2.65345 (10081319)			

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1015

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP8 ***
 INCLUDING SOURCE(S): STCK10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672353.68	4343915.28	2.48686	(13021919)	672574.99
4343915.28	2.40664	(13021919)		

668148.79	4344080.24	59.63036	(13123019)	668370.10
4344080.24	49.60793 (13121803)			
668591.41	4344080.24	37.10313	(13061701)	668812.72
4344080.24	32.58234 (10040924)			
669034.03	4344080.24	26.58783	(09111117)	669255.34
4344080.24	23.53228 (12021724)			
669476.65	4344080.24	36.10131	(10011504)	669697.96
4344080.24	42.72222 (12062820)			
669919.27	4344080.24	34.45012	(13071420)	670140.58
4344080.24	16.94362 (12100619)			
670361.89	4344080.24	28.68446	(12013023)	670583.20
4344080.24	19.34324 (13050904)			
670804.51	4344080.24	10.85368	(10011503)	671025.82
4344080.24	6.64607 (10112508)			
671247.13	4344080.24	9.42212	(09051204)	671468.44
4344080.24	7.86757 (11012804)			
671689.75	4344080.24	3.90559	(11081519)	671911.06
4344080.24	2.93254 (09120701)			
672132.37	4344080.24	2.53814	(12032519)	672353.68
4344080.24	2.54562 (12032519)			
672574.99	4344080.24	2.32840	(12032519)	671464.71
4342094.27	3.31478 (12011017)			
671482.23	4342063.91	3.44071	(12011017)	671498.58
4342030.05	3.38274 (12011017)			
671513.75	4341991.52	3.53503	(13102804)	671541.78
4341964.66	3.55279 (13102804)			
671575.64	4341974.00	3.34786	(13102804)	671460.75
4342162.97	3.76328 (09031118)			
671451.00	4342187.35	3.87791	(09031118)	671510.73
4342219.66	3.96143 (13011917)			
671524.14	4342192.84	3.68853	(09031118)	671522.92
4342250.74	4.32711 (13011917)			
671599.11	4342252.57	4.19610	(13011917)	671627.76
4342256.84	4.12343 (13011917)			
671583.88	4342116.03	3.53647	(09031118)	671595.46
4342071.54	3.30899 (09031118)			
671663.12	4342056.30	3.44166	(09031118)	671600.94
4342030.09	3.10742 (12011017)			
671526.58	4342155.65	3.70226	(09031118)	671628.98
4342292.19	3.93814 (13011917)			
671641.78	4341980.71	3.54736	(12011017)	671666.77
4342018.51	3.36484 (12011017)			
671407.11	4342219.66	3.99836	(09031118)	671415.64
4342183.08	3.83959 (09031118)			
671635.08	4341706.42	4.35415	(10081303)	671693.59
4341710.08	4.56008 (12090723)			
671719.80	4341736.29	4.49385	(12090723)	671673.48
4341630.23	5.20323 (10081303)			
671888.04	4341936.22	3.90605	(10111117)	671977.64
4341952.07	3.46368 (09031118)			

672039.21	4341894.77	3.16538	(09031118)	671858.17
4341753.96	5.28142 (12101607)			
671922.78	4341634.49	3.84691	(12101607)	671613.74
4341791.15	3.72285 (09120718)			
671853.29	4341730.80	5.17326	(12101607)	671783.81
4341585.73	5.46777 (10081303)			
671783.20	4341546.72	4.93198	(10081303)	671769.18
4341461.38	4.83162 (13052920)			
671800.87	4341420.54	4.64711	(13052920)	671880.11
4341427.25	3.68177 (12081519)			
672012.39	4341504.66	2.88150	(09010602)	672084.31
4341547.94	2.91276 (09120718)			
671915.47	4341478.45	3.37989	(09010602)	671903.28
4341564.40	3.75835 (12090723)			
671863.05	4341522.34	4.17973	(10081303)	671830.13
4341336.43	4.33870 (13052920)			
671835.62	4341287.66	3.72190	(13052920)	671825.87
4341275.47	3.86278 (09061904)			
672136.73	4341370.56	2.56701	(09010602)	671920.34
4341307.17	3.25380 (12081519)			
671695.42	4341257.19	3.47191	(10021922)	671682.01
4341176.12	3.33157 (09061521)			
671991.66	4341196.23	3.11261	(09012523)	672022.14
4341231.59	3.00960 (12081519)			
671992.27	4341177.95	3.01607	(09012523)	671540.60
4341238.29	3.05837 (10110117)			
671575.34	4341177.95	2.95279	(10110117)	671454.65
4341196.23	3.32629 (11050906)			

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1016

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP8 ***
 INCLUDING SOURCE(S): STCK10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

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 - - - - -

671523.53	4341116.38	3.19658	(11050906)	671413.20
4341126.74	3.26667 (11050906)			
671471.11	4341064.57	3.07494	(11050906)	671601.55
4341050.55	3.32626 (11050906)			
671198.64	4341253.53	3.09033	(12041322)	671278.49
4341212.08	3.18530 (11050906)			
671230.34	4341132.84	3.25606	(12041322)	671073.08
4341271.82	3.46012 (12041322)			
671122.45	4341373.61	3.49337	(11050906)	671118.79
4341397.38	3.71169 (11050906)			
670978.40	4341324.15	3.49242	(12041322)	670932.85
4341394.21	3.76955 (12041322)			
670935.19	4341367.36	3.61983	(12041322)	671108.01
4340976.17	2.97795 (10092818)			
671286.67	4340978.51	2.85383	(12041322)	671675.37
4342488.78	3.39651 (11012717)			
671091.40	4342277.23	5.86122	(10111117)	671051.75
4342332.07	5.37104 (10111117)			
671051.75	4342369.20	5.20034	(09031118)	670953.04
4342360.76	5.86004 (10111117)			
670695.71	4342235.89	7.88771	(13052220)	670545.53
4342318.58	11.66938 (13052920)			
670711.74	4342488.16	6.14335	(12011017)	670648.30
4342501.73	5.69351 (12011017)			
670648.30	4342630.87	6.05430	(13011917)	670806.29
4342728.41	5.54231 (10031618)			
670688.15	4342739.41	5.89151	(09122206)	670804.92
4342427.55	7.90629 (10111117)			
670439.48	4342471.51	11.47018	(10081303)	670358.43
4342578.67	11.01503 (12101607)			
670546.64	4342662.47	7.06563	(13011917)	670537.03
4342595.15	6.33173 (09031118)			
670483.45	4342776.50	7.50936	(13011917)	670508.17
4342754.52	7.62306 (13011917)			
670517.79	4342868.54	6.83814	(11012717)	670545.27
4342850.69	6.48361 (11012717)			
670582.36	4342878.16	6.67895	(11012717)	670304.85
4342688.57	9.31513 (12011017)			
670039.70	4342661.10	20.51691	(13052920)	670156.48
4342673.46	11.38635 (12090723)			
670236.16	4342648.73	10.89717	(12101607)	670071.30
4342738.03	11.10777 (09010602)			
669990.24	4342753.14	12.93496	(12081519)	669928.42
4342742.15	17.46196 (13052920)			
669815.77	4342673.46	22.33382	(11092622)	669742.96
4342655.60	23.19988 (10082420)			
669791.04	4342744.90	16.07354	(11050906)	669696.25
4342731.16	18.00844 (10082420)			
669536.88	4342552.57	71.20334	(12121423)	671174.86
4342280.21	5.84615 (10111117)			

671068.38	4342169.93	6.64921	(12101607)	670965.71
4342179.44	6.78755	(12090723)		
670815.50	4342198.45	10.64683	(10081303)	670737.55
4342097.68	13.08171	(09061904)		
670762.27	4342069.16	13.18684	(09061904)	670817.40
4342040.64	11.98606	(09061904)		
670895.36	4342025.43	11.39829	(13052920)	670979.02
4341915.15	10.10671	(09061904)		
671115.92	4341863.81	8.86386	(13052920)	671199.58
4341770.65	7.68092	(13052920)		
671222.39	4341377.07	4.02211	(11050906)	671714.84
4341392.28	4.55666	(13052920)		
671366.89	4341998.81	5.39883	(12101607)	671226.19
4342236.48	5.99147	(10111117)		
669098.44	4343411.59	861.55566	(09121907)	668908.63
4343364.56	255.94881	(13120722)		
668851.52	4343359.52	162.64939	(13120722)	668831.37
4343371.27	142.19359	(13020522)		
668733.94	4343302.41	85.27849	(13120804)	668686.91
4343199.95	199.22156	(10121507)		
668671.79	4343089.09	177.26698	(13021224)	668806.17
4343001.74	189.16780	(10121518)		
668918.71	4343025.26	223.20082	(10021601)	669024.53
4342942.95	179.89013	(11012707)		
669288.24	4342916.08	96.90778	(10012623)	669333.59
4342922.80	94.94635	(09011623)		
669365.51	4342978.23	109.58316	(12121104)	669336.95
4343151.23	204.06435	(09042621)		
669303.36	4343304.09	242.75695	(12081720)	669222.73
4343235.22	407.32930	(11051920)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1017

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP8 ***
 INCLUDING SOURCE(S): STCK10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

669135.39 4343305.77 406.76825 (13120120)

*** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
10/04/21

*** AERMET - VERSION 14134 ***
13:59:48

PAGE 1018

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP9
INCLUDING SOURCE(S): STCK7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4340781.04	5.88990	(09042106)	668370.10
4340781.04	6.26201	(09051623)		
668591.41	4340781.04	6.55257	(09071801)	668812.72
4340781.04	6.57065	(09073021)		
669034.03	4340781.04	6.85226	(10092724)	669255.34
4340781.04	7.73910	(09071822)		
669476.65	4340781.04	7.46657	(10072521)	669697.96
4340781.04	8.64147	(09081706)		
669919.27	4340781.04	8.94312	(12081321)	670140.58
4340781.04	11.99027	(11082520)		
670361.89	4340781.04	14.94668	(09082906)	670583.20
4340781.04	15.25740	(13042801)		
670804.51	4340781.04	15.27701	(09052502)	671025.82
4340781.04	19.54745	(12101320)		
671247.13	4340781.04	17.95866	(10021524)	671468.44
4340781.04	18.61370	(12010501)		
671689.75	4340781.04	15.60346	(13102320)	671911.06
4340781.04	14.64898	(13042120)		
672132.37	4340781.04	12.52597	(12121104)	672353.68
4340781.04	11.91886	(12092719)		
672574.99	4340781.04	9.41467	(12080720)	668148.79
4340946.00	5.96406	(13060823)		
668370.10	4340946.00	6.21173	(09081202)	668591.41
4340946.00	6.47782	(09042106)		

668812.72	4340946.00	6.68095	(09051722)	669034.03
4340946.00	6.95878 (13063022)			
669255.34	4340946.00	7.56453	(12070922)	669476.65
4340946.00	7.15879 (09092321)			
669697.96	4340946.00	9.22029	(09091123)	669919.27
4340946.00	10.58988 (09071823)			
670140.58	4340946.00	9.78570	(09081906)	670361.89
4340946.00	14.40480 (12072924)			
670583.20	4340946.00	18.78026	(09081820)	670804.51
4340946.00	23.05413 (09053001)			
671025.82	4340946.00	23.25792	(12101320)	671247.13
4340946.00	20.87734 (10021524)			
671468.44	4340946.00	19.27416	(13122105)	671689.75
4340946.00	16.93530 (11090420)			
671911.06	4340946.00	16.52047	(11092019)	672132.37
4340946.00	13.20572 (12123124)			
672353.68	4340946.00	12.85196	(11092622)	672574.99
4340946.00	9.02278 (13090819)			
668148.79	4341110.96	6.03813	(12081124)	668370.10
4341110.96	6.28385 (12081021)			
668591.41	4341110.96	6.52583	(13060823)	668812.72
4341110.96	6.70372 (09082123)			
669034.03	4341110.96	6.92197	(13070323)	669255.34
4341110.96	6.68479 (13091119)			
669476.65	4341110.96	7.09849	(11090423)	669697.96
4341110.96	9.34628 (11090423)			
669919.27	4341110.96	10.27880	(09091123)	670140.58
4341110.96	12.21935 (09092322)			
670361.89	4341110.96	18.92369	(09052624)	670583.20
4341110.96	23.97362 (09110122)			
670804.51	4341110.96	27.84802	(12110321)	671025.82
4341110.96	27.35417 (13022822)			
671247.13	4341110.96	26.30607	(09102203)	671468.44
4341110.96	23.64927 (12101101)			
671689.75	4341110.96	22.40538	(11072322)	671911.06
4341110.96	19.79129 (11072220)			
672132.37	4341110.96	10.83034	(13122023)	672353.68
4341110.96	13.46070 (09042621)			
672574.99	4341110.96	10.86602	(10091119)	668148.79
4341275.92	6.11657 (09051701)			
668370.10	4341275.92	6.35716	(09051803)	668591.41
4341275.92	6.57523 (09051802)			
668812.72	4341275.92	6.92519	(12081021)	669034.03
4341275.92	8.83218 (09081006)			
669255.34	4341275.92	8.66303	(12081106)	669476.65
4341275.92	7.86564 (12081106)			
669697.96	4341275.92	7.97577	(11090423)	669919.27
4341275.92	10.04859 (11090423)			
670140.58	4341275.92	19.70352	(09051624)	670361.89
4341275.92	23.56567 (10070422)			

670583.20	4341275.92	30.33318	(13102324)	670804.51
4341275.92	34.59387	(13122517)		
671025.82	4341275.92	32.64568	(09033020)	671247.13
4341275.92	36.80197	(09102318)		
671468.44	4341275.92	31.58299	(12091320)	671689.75
4341275.92	16.97813	(11092019)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1019

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP9 ***
 INCLUDING SOURCE(S): STCK7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

671911.06	4341275.92	18.62849	(09070120)	672132.37
4341275.92	17.51405	(09042621)		
672353.68	4341275.92	6.83572	(13052220)	672574.99
4341275.92	11.18259	(09073123)		
668148.79	4341440.88	6.14144	(10082505)	668370.10
4341440.88	6.39588	(12080903)		
668591.41	4341440.88	6.63950	(09071423)	668812.72
4341440.88	7.40035	(11070322)		
669034.03	4341440.88	8.95491	(09081124)	669255.34
4341440.88	6.89640	(09081006)		
669476.65	4341440.88	8.64188	(09081006)	669697.96
4341440.88	10.38722	(12081106)		
669919.27	4341440.88	14.15009	(09051804)	670140.58
4341440.88	22.04940	(09070423)		
670361.89	4341440.88	29.04268	(10091123)	670583.20
4341440.88	36.97513	(13042802)		
670804.51	4341440.88	49.06291	(13042622)	671025.82
4341440.88	48.82006	(11101904)		
671689.75	4341440.88	12.33081	(10092818)	671911.06
4341440.88	18.13327	(12080720)		
672132.37	4341440.88	15.15931	(09102103)	672353.68
4341440.88	17.48742	(13080821)		

672574.99	4341440.88	7.26787	(12072720)	668148.79
4341605.84	6.18277 (10070821)			
668370.10	4341605.84	6.46485	(09051703)	668591.41
4341605.84	6.77195 (09051703)			
668812.72	4341605.84	7.12457	(09070402)	669034.03
4341605.84	6.89410 (12080903)			
669255.34	4341605.84	6.41657	(10081606)	669476.65
4341605.84	5.73190 (11081623)			
669697.96	4341605.84	7.27344	(09081006)	669919.27
4341605.84	18.43645 (09081621)			
670140.58	4341605.84	27.86901	(09042102)	670361.89
4341605.84	35.23512 (11062622)			
670583.20	4341605.84	48.93662	(12042021)	670804.51
4341605.84	68.39446 (12072924)			
671025.82	4341605.84	65.93140	(10083120)	671689.75
4341605.84	13.24481 (12081519)			
671911.06	4341605.84	12.16117	(12090723)	672132.37
4341605.84	22.49957 (12072720)			
672353.68	4341605.84	16.69898	(10101018)	672574.99
4341605.84	7.38982 (12072820)			
668148.79	4341770.80	6.18507	(11072422)	668370.10
4341770.80	6.53959 (11072422)			
668591.41	4341770.80	6.69310	(12081024)	668812.72
4341770.80	6.90483 (12081024)			
669034.03	4341770.80	6.84130	(12080902)	669255.34
4341770.80	8.86759 (10101307)			
669476.65	4341770.80	7.80011	(10101307)	669697.96
4341770.80	11.52337 (10082505)			
669919.27	4341770.80	22.09366	(11070804)	670140.58
4341770.80	31.19033 (10081423)			
670361.89	4341770.80	42.37735	(10081122)	670583.20
4341770.80	69.05100 (09110206)			
670804.51	4341770.80	19.35190	(12100107)	671025.82
4341770.80	16.89875 (09091205)			
671689.75	4341770.80	19.23855	(09073123)	671911.06
4341770.80	13.58828 (12070821)			
672132.37	4341770.80	21.44041	(10091419)	672353.68
4341770.80	16.90712 (13111501)			
672574.99	4341770.80	7.40258	(09090320)	668148.79
4341935.76	6.19762 (13081706)			
668370.10	4341935.76	6.47801	(13081706)	668591.41
4341935.76	6.73192 (13081706)			
668812.72	4341935.76	7.02302	(13081706)	669034.03
4341935.76	7.56305 (13081706)			
669255.34	4341935.76	7.48672	(12082106)	669476.65
4341935.76	10.26356 (11070401)			
669697.96	4341935.76	18.59078	(12092106)	669919.27
4341935.76	24.34770 (11080503)			
670140.58	4341935.76	32.35825	(13051423)	670361.89
4341935.76	48.04135 (13080324)			

670583.20	4341935.76	36.52981	(09071423)	670804.51
4341935.76	17.73850	(11092207)		
671468.44	4341935.76	89.16062	(12070821)	671689.75
4341935.76	56.10431	(09090320)		
671911.06	4341935.76	27.96284	(13090719)	672132.37
4341935.76	25.54230	(13032919)		
672353.68	4341935.76	10.74569	(12013019)	672574.99
4341935.76	9.75874	(10093018)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1020

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP9 ***
 INCLUDING SOURCE(S): STCK7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

668148.79	4342100.72	6.20144	(09082124)	668370.10
4342100.72	6.46601	(09082124)		
668591.41	4342100.72	6.82403	(09082124)	668812.72
4342100.72	7.06087	(09082124)		
669034.03	4342100.72	7.75007	(09082124)	669255.34
4342100.72	8.71569	(12080206)		
669476.65	4342100.72	9.39886	(12080206)	669697.96
4342100.72	15.77202	(10072022)		
669919.27	4342100.72	22.24702	(10071003)	670140.58
4342100.72	33.28595	(11101403)		
670361.89	4342100.72	13.69879	(12100307)	670583.20
4342100.72	13.58826	(11070506)		
671468.44	4342100.72	118.61150	(11060920)	671689.75
4342100.72	53.79580	(13042705)		
671911.06	4342100.72	35.10721	(10080120)	672132.37
4342100.72	25.05588	(13042705)		
672353.68	4342100.72	16.85238	(13020407)	672574.99
4342100.72	11.35288	(10080120)		
668148.79	4342265.68	6.19996	(11070922)	668370.10
4342265.68	6.46145	(11070922)		

668591.41	4342265.68	6.66289	(09072122)	668812.72
4342265.68	6.89227 (09072122)			
669034.03	4342265.68	6.56093	(09072122)	669255.34
4342265.68	7.20385 (13071503)			
669476.65	4342265.68	8.48550	(13071503)	669697.96
4342265.68	10.37701 (13071503)			
669919.27	4342265.68	10.51231	(13071503)	670140.58
4342265.68	10.38814 (11082404)			
670361.89	4342265.68	11.43268	(09072206)	670583.20
4342265.68	13.39953 (11082406)			
670804.51	4342265.68	19.26555	(11070206)	671025.82
4342265.68	30.59347 (09090122)			
671247.13	4342265.68	23.79358	(12083019)	671468.44
4342265.68	51.43676 (13082519)			
671689.75	4342265.68	36.49328	(13101918)	671911.06
4342265.68	30.78003 (10080721)			
672132.37	4342265.68	25.60850	(12090801)	672353.68
4342265.68	17.96987 (12090801)			
672574.99	4342265.68	9.75392	(11082219)	668148.79
4342430.64	6.19013 (10092703)			
668370.10	4342430.64	6.42017	(13070101)	668591.41
4342430.64	6.68563 (13070101)			
668812.72	4342430.64	6.87816	(11082722)	669034.03
4342430.64	6.73845 (13071603)			
669255.34	4342430.64	6.50865	(13071503)	669476.65
4342430.64	6.33836 (13071503)			
669697.96	4342430.64	6.01233	(13081603)	669919.27
4342430.64	7.62630 (11080306)			
670140.58	4342430.64	9.38717	(11080306)	670361.89
4342430.64	10.01630 (11082406)			
670583.20	4342430.64	15.33052	(13082002)	670804.51
4342430.64	15.57084 (12061706)			
671025.82	4342430.64	14.84614	(09082220)	671247.13
4342430.64	103.07937 (13061120)			
671468.44	4342430.64	63.91656	(09090619)	671689.75
4342430.64	36.58730 (12063020)			
671911.06	4342430.64	24.79993	(11103004)	672132.37
4342430.64	15.82379 (13071520)			
672353.68	4342430.64	9.22002	(12081919)	672574.99
4342430.64	8.28865 (12081919)			
668148.79	4342595.60	6.17403	(13071603)	668370.10
4342595.60	6.41894 (12081004)			
668591.41	4342595.60	6.65508	(10081906)	668812.72
4342595.60	6.85265 (11082601)			
669034.03	4342595.60	6.71991	(12080823)	669255.34
4342595.60	6.17041 (13083122)			
669476.65	4342595.60	6.35162	(11080306)	669697.96
4342595.60	7.71168 (11080306)			
669919.27	4342595.60	7.99711	(11080306)	670140.58
4342595.60	8.16718 (11082705)			

670361.89	4342595.60	13.04928	(09072506)	670583.20
4342595.60	47.37835	(09072505)		
670804.51	4342595.60	38.40551	(11080402)	671025.82
4342595.60	14.35710	(09082221)		
671247.13	4342595.60	62.73541	(10090419)	671468.44
4342595.60	28.53474	(11040220)		
671689.75	4342595.60	29.23743	(13120923)	671911.06
4342595.60	20.46385	(13101318)		
672132.37	4342595.60	17.66289	(13041019)	672353.68
4342595.60	9.69877	(10082519)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1021

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SRCGP9 ***

 INCLUDING SOURCE(S): STCK7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

 ** CONC OF VARIOUS IN MICROGRAMS/M**3

 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

672574.99	4342595.60	9.79579	(10082519)	668148.79
4342760.56	6.11927	(11082601)		
668370.10	4342760.56	6.37649	(12080823)	668591.41
4342760.56	6.60394	(13082106)		
668812.72	4342760.56	6.81820	(12081105)	669034.03
4342760.56	6.75835	(09072502)		
669255.34	4342760.56	6.31406	(09071921)	669476.65
4342760.56	6.52868	(11080306)		
669697.96	4342760.56	8.83427	(12081006)	669919.27
4342760.56	7.55938	(12081006)		
670140.58	4342760.56	10.34947	(09072506)	670361.89
4342760.56	11.29027	(12080406)		
670583.20	4342760.56	35.62819	(11101423)	670804.51
4342760.56	46.41778	(09090301)		
671025.82	4342760.56	51.87278	(13081505)	671247.13
4342760.56	37.82620	(13100819)		
671468.44	4342760.56	32.59790	(13051720)	671689.75
4342760.56	21.41930	(10041619)		

671911.06	4342760.56	10.17729	(13120923)	672132.37
4342760.56	19.05835 (13101318)			
672353.68	4342760.56	7.61069	(12092018)	672574.99
4342760.56	7.35669 (11081819)			
668148.79	4342925.52	6.07325	(13083122)	668370.10
4342925.52	6.31156 (12081105)			
668591.41	4342925.52	6.55939	(12081104)	668812.72
4342925.52	6.75630 (09071921)			
669034.03	4342925.52	6.86315	(09062904)	669476.65
4342925.52	7.56765 (12081006)			
669697.96	4342925.52	8.00980	(12081006)	669919.27
4342925.52	8.53834 (09072506)			
670140.58	4342925.52	14.66685	(12080604)	670361.89
4342925.52	21.58166 (10071305)			
670583.20	4342925.52	11.63271	(09072306)	670804.51
4342925.52	19.17393 (10090404)			
671025.82	4342925.52	30.50341	(11121005)	671247.13
4342925.52	29.37234 (13100819)			
671468.44	4342925.52	19.28350	(10112604)	671689.75
4342925.52	9.01779 (11040220)			
671911.06	4342925.52	7.28981	(11030418)	672132.37
4342925.52	4.30972 (12080819)			
672353.68	4342925.52	15.15372	(12063020)	672574.99
4342925.52	6.35667 (13081319)			
668148.79	4343090.48	6.01527	(12081104)	668370.10
4343090.48	6.24023 (09071921)			
668591.41	4343090.48	6.50309	(09062904)	669476.65
4343090.48	6.25139 (09062524)			
669697.96	4343090.48	6.90024	(13081506)	669919.27
4343090.48	7.17363 (12080406)			
670140.58	4343090.48	9.72805	(12080406)	670361.89
4343090.48	11.49915 (11082704)			
670583.20	4343090.48	7.93883	(09072306)	670804.51
4343090.48	9.82594 (09082219)			
671025.82	4343090.48	23.09034	(11121418)	671247.13
4343090.48	22.65895 (10040803)			
671468.44	4343090.48	9.72745	(13111705)	671689.75
4343090.48	4.59831 (09102701)			
671911.06	4343090.48	4.15119	(13073119)	672132.37
4343090.48	4.08473 (11030418)			
672353.68	4343090.48	3.45156	(12080819)	672574.99
4343090.48	9.12165 (10041606)			
668148.79	4343255.44	5.94151	(09062904)	668370.10
4343255.44	6.16757 (11082823)			
668591.41	4343255.44	6.42344	(13083121)	669476.65
4343255.44	6.89797 (13081506)			
669697.96	4343255.44	7.14290	(13081506)	669919.27
4343255.44	7.57891 (12080406)			
670140.58	4343255.44	8.11059	(11082704)	670361.89
4343255.44	7.71001 (11082704)			

670583.20	4343255.44	6.58952	(09082219)	670804.51
4343255.44	9.01831 (09082219)			
671025.82	4343255.44	19.48931	(09020506)	671247.13
4343255.44	15.12005 (13111523)			
671468.44	4343255.44	14.04220	(09120817)	671689.75
4343255.44	4.20226 (13073019)			
671911.06	4343255.44	3.50388	(13073119)	672132.37
4343255.44	3.00202 (11032104)			
672353.68	4343255.44	3.38816	(11081119)	672574.99
4343255.44	2.82054 (12080819)			
668148.79	4343420.40	5.83608	(13083121)	668370.10
4343420.40	6.09863 (11070405)			

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1022

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP9 ***
 INCLUDING SOURCE(S): STCK7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668591.41	4343420.40	6.33337	(09063005)	668812.72
4343420.40	6.52464 (09072405)			
669034.03	4343420.40	6.75280	(13070824)	669255.34
4343420.40	6.82027 (10081706)			
669476.65	4343420.40	6.96539	(13081506)	669697.96
4343420.40	6.35575 (09062923)			
669919.27	4343420.40	6.16505	(12080406)	670140.58
4343420.40	7.66483 (11082704)			
670361.89	4343420.40	5.37466	(09072306)	670583.20
4343420.40	7.27134 (09082219)			
670804.51	4343420.40	8.21554	(13082205)	671025.82
4343420.40	19.24153 (12062103)			
671247.13	4343420.40	17.37492	(09100204)	671468.44
4343420.40	7.70666 (09120817)			
671689.75	4343420.40	3.76998	(13073019)	671911.06
4343420.40	2.82029 (11072519)			

672132.37	4343420.40	2.89431	(13073119)	672353.68
4343420.40	2.45133 (10102017)			
672574.99	4343420.40	2.52179	(11081119)	668148.79
4343585.36	5.78224 (09062924)			
668370.10	4343585.36	6.01365	(13072202)	668591.41
4343585.36	6.22165 (11082621)			
668812.72	4343585.36	6.42798	(13070824)	669034.03
4343585.36	6.56286 (10081706)			
669255.34	4343585.36	6.82717	(12071222)	669476.65
4343585.36	6.94331 (10082524)			
669697.96	4343585.36	6.64472	(10090424)	669919.27
4343585.36	6.46507 (11082704)			
670140.58	4343585.36	6.47894	(11082704)	670361.89
4343585.36	5.28917 (11082401)			
670583.20	4343585.36	7.11248	(09082219)	670804.51
4343585.36	6.13696 (13082205)			
671025.82	4343585.36	4.98572	(12062103)	671247.13
4343585.36	14.74705 (11102005)			
671468.44	4343585.36	11.32185	(11012902)	671689.75
4343585.36	8.71480 (10112604)			
671911.06	4343585.36	3.24641	(11081319)	672132.37
4343585.36	2.70621 (13073119)			
672353.68	4343585.36	2.22491	(13073119)	672574.99
4343585.36	2.29643 (11081119)			
668148.79	4343750.32	5.65057	(13072202)	668370.10
4343750.32	5.87342 (11082621)			
668591.41	4343750.32	6.10271	(10071805)	668812.72
4343750.32	6.25113 (10081706)			
669034.03	4343750.32	6.61737	(12071222)	669255.34
4343750.32	6.74732 (12071022)			
669476.65	4343750.32	6.86149	(10071304)	669697.96
4343750.32	6.90742 (13083124)			
669919.27	4343750.32	6.59441	(09090422)	670140.58
4343750.32	6.32220 (12080203)			
670361.89	4343750.32	5.95789	(09090301)	670583.20
4343750.32	6.51235 (09082219)			
670804.51	4343750.32	5.31653	(12072824)	671025.82
4343750.32	4.75883 (10082020)			
671247.13	4343750.32	7.88308	(12100218)	671468.44
4343750.32	7.36660 (10090419)			
671689.75	4343750.32	8.26254	(09052720)	671911.06
4343750.32	9.35609 (13100219)			
672132.37	4343750.32	6.13855	(11052620)	672353.68
4343750.32	2.46169 (13073119)			
672574.99	4343750.32	2.03424	(10102017)	668148.79
4343915.28	5.55337 (09062524)			
668370.10	4343915.28	5.78907	(10071805)	668591.41
4343915.28	6.01393 (10081706)			
668812.72	4343915.28	6.23664	(12071222)	669034.03
4343915.28	6.65205 (12071022)			

669255.34	4343915.28	6.90764	(11082620)	669476.65
4343915.28	6.75932 (11073002)			
669697.96	4343915.28	6.91013	(11082703)	669919.27
4343915.28	6.90937 (13070423)			
670140.58	4343915.28	6.66726	(11092803)	670361.89
4343915.28	6.46781 (10062824)			
670583.20	4343915.28	6.25233	(13070422)	670804.51
4343915.28	5.97562 (12091903)			
671025.82	4343915.28	5.89948	(10082020)	671247.13
4343915.28	6.40938 (12100218)			
671468.44	4343915.28	6.49114	(12100218)	671689.75
4343915.28	7.94788 (10090419)			
671911.06	4343915.28	9.18934	(13100818)	672132.37
4343915.28	9.77210 (13121422)			

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1023

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP9 ***
 INCLUDING SOURCE(S): STCK7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672353.68	4343915.28	5.85048	(11040220)	672574.99
4343915.28	4.58976 (13010305)			
668148.79	4344080.24	5.44856	(10071805)	668370.10
4344080.24	5.59595 (10081706)			
668591.41	4344080.24	5.90228	(12071222)	668812.72
4344080.24	6.29035 (11092401)			
669034.03	4344080.24	6.83810	(09062923)	669255.34
4344080.24	7.21424 (10090424)			
669476.65	4344080.24	6.63202	(10072903)	669697.96
4344080.24	6.76271 (09090422)			
669919.27	4344080.24	6.85825	(11080402)	670140.58
4344080.24	6.95501 (10090501)			
670361.89	4344080.24	6.52570	(10062824)	670583.20
4344080.24	6.52269 (13083123)			

670804.51	4344080.24	7.07812	(13081505)	671025.82
4344080.24	7.61660 (10082020)			
671247.13	4344080.24	7.30204	(09091819)	671468.44
4344080.24	7.29753 (12100218)			
671689.75	4344080.24	7.37103	(09080521)	671911.06
4344080.24	5.51800 (10112604)			
672132.37	4344080.24	2.85903	(11081319)	672353.68
4344080.24	2.29861 (11081319)			
672574.99	4344080.24	2.08827	(13052019)	671464.71
4342094.27	120.79506 (13042705)			
671482.23	4342063.91	104.65002	(12101518)	671498.58
4342030.05	92.58967 (12090119)			
671513.75	4341991.52	71.02587	(09090320)	671541.78
4341964.66	77.30599 (12081720)			
671575.64	4341974.00	51.45410	(12090119)	671460.75
4342162.97	87.27427 (13120201)			
671451.00	4342187.35	111.96793	(13101918)	671510.73
4342219.66	83.85259 (13101918)			
671524.14	4342192.84	75.08801	(13101918)	671522.92
4342250.74	63.82265 (11103004)			
671599.11	4342252.57	57.94150	(13101918)	671627.76
4342256.84	52.55332 (13101918)			
671583.88	4342116.03	69.42878	(12071720)	671595.46
4342071.54	61.68855 (13122719)			
671663.12	4342056.30	60.72538	(12101518)	671600.94
4342030.09	76.29657 (09102405)			
671526.58	4342155.65	72.03231	(13120201)	671628.98
4342292.19	30.11334 (11103004)			
671641.78	4341980.71	60.55447	(12090119)	671666.77
4342018.51	56.73321 (12101518)			
671407.11	4342219.66	82.19757	(13041019)	671415.64
4342183.08	119.70293 (13101918)			
671635.08	4341706.42	15.32318	(12081519)	671693.59
4341710.08	14.11995 (09080919)			
671719.80	4341736.29	13.64079	(09092218)	671673.48
4341630.23	13.34675 (12081519)			
671888.04	4341936.22	24.94555	(13090719)	671977.64
4341952.07	33.55031 (13090719)			
672039.21	4341894.77	23.01566	(12090119)	671858.17
4341753.96	9.79622 (10081219)			
671922.78	4341634.49	13.88672	(09073123)	671613.74
4341791.15	26.00373 (11090519)			
671853.29	4341730.80	10.25600	(10081219)	671783.81
4341585.73	13.05485 (12081519)			
671783.20	4341546.72	12.20721	(12081519)	671769.18
4341461.38	9.18704 (10092818)			
671800.87	4341420.54	9.13668	(10092818)	671880.11
4341427.25	15.37101 (12080720)			
672012.39	4341504.66	24.45342	(12051524)	672084.31
4341547.94	18.41684 (09073123)			

671915.47	4341478.45	18.63076	(13090819)	671903.28
4341564.40	13.84049 (12090723)			
671863.05	4341522.34	12.01622	(12081519)	671830.13
4341336.43	10.39923 (10092818)			
671835.62	4341287.66	10.98699	(10092818)	671825.87
4341275.47	11.18821 (10092818)			
672136.73	4341370.56	17.11666	(13052220)	671920.34
4341307.17	21.02018 (12091119)			
671695.42	4341257.19	18.35045	(11092019)	671682.01
4341176.12	24.54705 (13072002)			
671991.66	4341196.23	19.27211	(09070120)	672022.14
4341231.59	19.41998 (12091119)			
671992.27	4341177.95	19.67177	(12092719)	671540.60
4341238.29	22.75281 (09060721)			
671575.34	4341177.95	25.50335	(09060721)	671454.65
4341196.23	29.58139 (09050820)			

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1024

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP9 ***
 INCLUDING SOURCE(S): STCK7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
671523.53	4341116.38	24.14996	(12051420)	671413.20
4341126.74	23.28507 (11012701)			
671471.11	4341064.57	22.11349	(11012701)	671601.55
4341050.55	17.30932 (13102320)			
671198.64	4341253.53	31.91647	(10021524)	671278.49
4341212.08	32.84767 (11011506)			
671230.34	4341132.84	26.44370	(09050801)	671073.08
4341271.82	31.84355 (10101802)			
671122.45	4341373.61	43.62138	(11061003)	671118.79
4341397.38	46.31030 (11061003)			
670978.40	4341324.15	37.86360	(11020706)	670932.85
4341394.21	44.95860 (13042024)			

670935.19	4341367.36	42.16116	(13012205)	671108.01
4340976.17	22.18524 (10050122)			
671286.67	4340978.51	20.31563	(13112806)	671675.37
4342488.78	40.94646 (11071520)			
671091.40	4342277.23	28.81316	(11091019)	671051.75
4342332.07	41.34366 (13070420)			
671051.75	4342369.20	22.13701	(09082221)	670953.04
4342360.76	25.58421 (09072306)			
670695.71	4342235.89	17.95406	(12071006)	670545.53
4342318.58	13.66540 (11082406)			
670711.74	4342488.16	28.16610	(10071304)	670648.30
4342501.73	39.90689 (13083102)			
670648.30	4342630.87	49.63977	(09083124)	670806.29
4342728.41	48.80522 (09082924)			
670688.15	4342739.41	41.84921	(12110704)	670804.92
4342427.55	15.73074 (12061706)			
670439.48	4342471.51	12.83525	(11082705)	670358.43
4342578.67	12.63949 (09072506)			
670546.64	4342662.47	34.46595	(09090201)	670537.03
4342595.15	34.65580 (13051222)			
670483.45	4342776.50	30.44858	(12080605)	670508.17
4342754.52	32.76584 (12080605)			
670517.79	4342868.54	28.49181	(10081702)	670545.27
4342850.69	32.29391 (11080204)			
670582.36	4342878.16	31.07074	(13070423)	670304.85
4342688.57	11.17245 (13072206)			
670039.70	4342661.10	7.34314	(11082705)	670156.48
4342673.46	10.09875 (09072506)			
670236.16	4342648.73	11.60821	(09072506)	670071.30
4342738.03	9.80380 (09072506)			
669990.24	4342753.14	8.42947	(09072506)	669928.42
4342742.15	7.50819 (12081006)			
669815.77	4342673.46	7.84607	(12081006)	669742.96
4342655.60	7.73325 (11080306)			
669791.04	4342744.90	8.69561	(12081006)	669696.25
4342731.16	8.31043 (12081006)			
669536.88	4342552.57	6.27718	(11080306)	671174.86
4342280.21	22.18777 (09091818)			
671068.38	4342169.93	12.18506	(12092609)	670965.71
4342179.44	15.07640 (12061707)			
670815.50	4342198.45	19.10079	(09062906)	670737.55
4342097.68	16.47610 (11070506)			
670762.27	4342069.16	16.70730	(12091407)	670817.40
4342040.64	18.53889 (12091407)			
670895.36	4342025.43	13.14182	(12091407)	670979.02
4341915.15	16.34407 (12091207)			
671115.92	4341863.81	15.60816	(13081722)	671199.58
4341770.65	21.01602 (13091307)			
671222.39	4341377.07	34.96984	(09102318)	671714.84
4341392.28	12.04133 (10092818)			

671366.89	4341998.81	24.43291	(09072619)	671226.19
4342236.48	23.40389 (12060119)			
669098.44	4343411.59	6.79551	(10071805)	668908.63
4343364.56	6.64700 (09072405)			
668851.52	4343359.52	6.60836	(09072405)	668831.37
4343371.27	6.58274 (09072405)			
668733.94	4343302.41	6.52169	(09062924)	668686.91
4343199.95	6.55234 (13083121)			
668671.79	4343089.09	6.56517	(11082823)	668806.17
4343001.74	6.74828 (09062904)			
668918.71	4343025.26	6.80643	(13070103)	669024.53
4342942.95	6.86672 (11082823)			
669288.24	4342916.08	6.81677	(12081006)	669333.59
4342922.80	7.13311 (12081006)			
669365.51	4342978.23	7.29697	(12081006)	669336.95
4343151.23	6.66962 (11082621)			
669303.36	4343304.09	6.86566	(10071805)	669222.73
4343235.22	6.87763 (09062524)			

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1025

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP9 ***
 INCLUDING SOURCE(S): STCK7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

669135.39	4343305.77	6.88152	(09062524)	

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1026

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP10 ***
INCLUDING SOURCE(S): STCK8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4340781.04	3.75950	(09071703)	668370.10
4340781.04	3.80114	(13060823)		
668591.41	4340781.04	3.77814	(11072905)	668812.72
4340781.04	3.57300	(12081121)		
669034.03	4340781.04	3.38483	(09092704)	669255.34
4340781.04	3.70446	(13042906)		
669476.65	4340781.04	3.83609	(11090423)	669697.96
4340781.04	3.91875	(09060221)		
669919.27	4340781.04	4.23133	(09080203)	670140.58
4340781.04	6.62829	(10121121)		
670361.89	4340781.04	9.15057	(12010420)	670583.20
4340781.04	14.66560	(09010405)		
670804.51	4340781.04	15.54313	(13042801)	671025.82
4340781.04	16.11932	(13122018)		
671247.13	4340781.04	11.61884	(13011907)	671468.44
4340781.04	15.17943	(11011506)		
671689.75	4340781.04	15.96856	(10031702)	671911.06
4340781.04	14.92881	(13052221)		
672132.37	4340781.04	6.50258	(09041524)	672353.68
4340781.04	11.86358	(12050420)		
672574.99	4340781.04	5.75674	(11092622)	668148.79
4340946.00	3.75383	(12100302)		
668370.10	4340946.00	3.79335	(11070324)	668591.41
4340946.00	3.69138	(09071703)		
668812.72	4340946.00	3.51256	(09081006)	669034.03
4340946.00	3.58835	(12081106)		
669255.34	4340946.00	3.49878	(10100907)	669476.65
4340946.00	3.37574	(13112708)		
669697.96	4340946.00	4.54203	(11090423)	669919.27
4340946.00	5.51114	(12122705)		
670140.58	4340946.00	4.57140	(13063021)	670361.89
4340946.00	7.54659	(13022703)		
670583.20	4340946.00	10.93985	(12020121)	670804.51
4340946.00	18.28393	(10021601)		
671025.82	4340946.00	17.89427	(10021604)	671247.13
4340946.00	9.19527	(09081620)		

671468.44	4340946.00	10.38095	(11090720)	671689.75
4340946.00	17.71490	(12051420)		
671911.06	4340946.00	14.43613	(09012801)	672132.37
4340946.00	5.94751	(10092818)		
672353.68	4340946.00	12.76269	(11092622)	672574.99
4340946.00	5.38794	(09061904)		
668148.79	4341110.96	3.76372	(09091021)	668370.10
4341110.96	3.77500	(11080923)		
668591.41	4341110.96	3.66355	(12071102)	668812.72
4341110.96	3.46950	(12081124)		
669034.03	4341110.96	3.27744	(09081006)	669255.34
4341110.96	3.34375	(09081006)		
669476.65	4341110.96	3.21087	(10100907)	669697.96
4341110.96	4.12439	(10100907)		
669919.27	4341110.96	4.33383	(10080806)	670140.58
4341110.96	6.07192	(12122705)		
670361.89	4341110.96	9.99472	(10123024)	670583.20
4341110.96	17.85542	(09021007)		
670804.51	4341110.96	19.87290	(09010818)	671025.82
4341110.96	12.37048	(12081403)		
671247.13	4341110.96	14.98948	(13011907)	671468.44
4341110.96	11.21133	(13122102)		
671689.75	4341110.96	14.30098	(10012623)	671911.06
4341110.96	14.76433	(12121104)		
672132.37	4341110.96	6.54328	(11050906)	672353.68
4341110.96	6.23682	(09061904)		
672574.99	4341110.96	6.46705	(12090723)	668148.79
4341275.92	3.78727	(10082505)		
668370.10	4341275.92	3.76047	(09070304)	668591.41
4341275.92	3.61735	(09071422)		
668812.72	4341275.92	3.44067	(09091021)	669034.03
4341275.92	4.20301	(11080923)		
669255.34	4341275.92	3.16231	(09011817)	669476.65
4341275.92	3.28097	(09011817)		
669697.96	4341275.92	3.53379	(09011817)	669919.27
4341275.92	4.41451	(09073024)		
670140.58	4341275.92	11.76955	(10121505)	670361.89
4341275.92	15.76806	(13021224)		
670583.20	4341275.92	20.73371	(10123021)	670804.51
4341275.92	20.46981	(09122319)		
671025.82	4341275.92	12.60185	(14010117)	671247.13
4341275.92	30.29644	(09031920)		
671468.44	4341275.92	19.54520	(13031523)	671689.75
4341275.92	8.57861	(13072002)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP10 ***

INCLUDING SOURCE(S): STCK8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
671911.06	4341275.92	10.58060	(10031019)	672132.37
4341275.92	8.27790	(09061904)		
672353.68	4341275.92	4.86199	(09092218)	672574.99
4341275.92	6.85216	(13080821)		
668148.79	4341440.88	3.78814	(12080622)	668370.10
4341440.88	3.73931	(09092502)		
668591.41	4341440.88	3.60347	(09092502)	668812.72
4341440.88	3.50310	(12061201)		
669034.03	4341440.88	3.85945	(10082505)	669255.34
4341440.88	3.04354	(13081406)		
669476.65	4341440.88	3.24545	(13081406)	669697.96
4341440.88	3.92987	(09012605)		
669919.27	4341440.88	6.86531	(13120803)	670140.58
4341440.88	14.70025	(09121724)		
670361.89	4341440.88	20.78064	(13011407)	670583.20
4341440.88	22.51159	(12122717)		
670804.51	4341440.88	32.05273	(09120120)	671025.82
4341440.88	28.53120	(11120408)		
671689.75	4341440.88	8.97335	(13062120)	671911.06
4341440.88	10.25947	(09042621)		
672132.37	4341440.88	12.36898	(12101607)	672353.68
4341440.88	15.03003	(11032902)		
672574.99	4341440.88	4.10442	(10113021)	668148.79
4341605.84	3.78959	(12082305)		
668370.10	4341605.84	3.73407	(12082305)	668591.41
4341605.84	3.59746	(12081024)		
668812.72	4341605.84	3.48801	(10101307)	669034.03
4341605.84	3.60348	(10101307)		
669255.34	4341605.84	3.46259	(10101307)	669476.65
4341605.84	3.76168	(13031905)		
669697.96	4341605.84	3.91007	(09032322)	669919.27
4341605.84	8.96596	(13012122)		
670140.58	4341605.84	14.08547	(13020523)	670361.89
4341605.84	23.04146	(11010323)		

670583.20	4341605.84	28.91991	(10021406)	670804.51
4341605.84	27.79319 (13120720)			
671025.82	4341605.84	53.09118	(10123023)	671689.75
4341605.84	11.47030 (13012901)			
671911.06	4341605.84	7.66469	(11091718)	672132.37
4341605.84	19.55336 (13080820)			
672353.68	4341605.84	16.87289	(10091419)	672574.99
4341605.84	4.07491 (11011517)			
668148.79	4341770.80	3.79459	(09062503)	668370.10
4341770.80	3.74870 (09062503)			
668591.41	4341770.80	3.55531	(09062503)	668812.72
4341770.80	3.32508 (11070803)			
669034.03	4341770.80	3.09610	(13021408)	669255.34
4341770.80	3.89310 (13021408)			
669476.65	4341770.80	3.75868	(13021408)	669697.96
4341770.80	5.54524 (13082224)			
669919.27	4341770.80	11.19885	(10013105)	670140.58
4341770.80	17.03633 (11120619)			
670361.89	4341770.80	23.26878	(09021920)	670583.20
4341770.80	28.72929 (13120724)			
670804.51	4341770.80	12.90322	(11070305)	671025.82
4341770.80	23.00522 (09092222)			
671689.75	4341770.80	13.18471	(13040803)	671911.06
4341770.80	8.15205 (12080119)			
672132.37	4341770.80	19.92744	(09092920)	672353.68
4341770.80	8.36688 (13110517)			
672574.99	4341770.80	4.36495	(13120418)	668148.79
4341935.76	3.79200 (11072702)			
668370.10	4341935.76	3.72073	(11072702)	668591.41
4341935.76	3.54908 (11072702)			
668812.72	4341935.76	3.32654	(11072702)	669034.03
4341935.76	3.72838 (12080206)			
669255.34	4341935.76	3.95117	(12080206)	669476.65
4341935.76	5.19913 (11072702)			
669697.96	4341935.76	11.26902	(11010504)	669919.27
4341935.76	15.68489 (11010504)			
670140.58	4341935.76	18.97486	(11010504)	670361.89
4341935.76	24.28453 (11010504)			
670583.20	4341935.76	11.58524	(10111018)	670804.51
4341935.76	11.23378 (09092024)			
671468.44	4341935.76	39.86797	(13020407)	671689.75
4341935.76	27.82835 (10080120)			
671911.06	4341935.76	14.44934	(10080120)	672132.37
4341935.76	17.45931 (10080120)			
672353.68	4341935.76	6.18876	(13092218)	672574.99
4341935.76	4.83464 (10080120)			

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP10 ***

INCLUDING SOURCE(S): STCK8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4342100.72	3.79069	(12090406)	668370.10
4342100.72	3.71545	(10072504)		
668591.41	4342100.72	3.57432	(13071004)	668812.72
4342100.72	3.35604	(13071004)		
669034.03	4342100.72	3.46148	(12021408)	669255.34
4342100.72	3.74425	(12021408)		
669476.65	4342100.72	4.64153	(11092906)	669697.96
4342100.72	7.81064	(09121706)		
669919.27	4342100.72	10.64804	(11022224)	670140.58
4342100.72	17.60351	(12121507)		
670361.89	4342100.72	6.46951	(11070801)	670583.20
4342100.72	6.89793	(11122622)		
671468.44	4342100.72	73.73895	(13120923)	671689.75
4342100.72	46.73633	(10011503)		
671911.06	4342100.72	19.68177	(11012804)	672132.37
4342100.72	23.71762	(13031621)		
672353.68	4342100.72	9.38826	(11082219)	672574.99
4342100.72	5.39699	(13042019)		
668148.79	4342265.68	3.79119	(11092906)	668370.10
4342265.68	3.74047	(10092703)		
668591.41	4342265.68	3.58571	(10092703)	668812.72
4342265.68	3.37723	(13071503)		
669034.03	4342265.68	3.42866	(13071503)	669255.34
4342265.68	3.33201	(13071503)		
669476.65	4342265.68	3.30629	(13081603)	669697.96
4342265.68	4.00313	(13120901)		
669919.27	4342265.68	4.49332	(13120723)	670140.58
4342265.68	4.73287	(11031701)		
670361.89	4342265.68	5.11155	(12012124)	670583.20
4342265.68	6.31255	(11071822)		
670804.51	4342265.68	9.29862	(13051705)	671025.82
4342265.68	15.39858	(13040324)		

671247.13	4342265.68	19.96186	(12052120)	671468.44
4342265.68	54.58723 (13121422)			
671689.75	4342265.68	35.92498	(13071420)	671911.06
4342265.68	25.11413 (12013023)			
672132.37	4342265.68	14.72970	(10011503)	672353.68
4342265.68	14.31127 (09051204)			
672574.99	4342265.68	4.23213	(12081919)	668148.79
4342430.64	3.78601 (09080305)			
668370.10	4342430.64	3.77327	(13060822)	668591.41
4342430.64	3.58954 (13070105)			
668812.72	4342430.64	3.42886	(09111101)	669034.03
4342430.64	3.18976 (12050206)			
669255.34	4342430.64	3.37659	(11080506)	669476.65
4342430.64	3.26706 (11080506)			
669697.96	4342430.64	3.15680	(13111221)	669919.27
4342430.64	3.37331 (13020620)			
670140.58	4342430.64	3.70279	(09022706)	670361.89
4342430.64	4.15123 (13121722)			
670583.20	4342430.64	7.04832	(13121202)	670804.51
4342430.64	9.09512 (10121224)			
671025.82	4342430.64	11.38088	(09083103)	671247.13
4342430.64	45.42384 (09020506)			
671468.44	4342430.64	38.03886	(11021121)	671689.75
4342430.64	30.48018 (09070620)			
671911.06	4342430.64	25.17052	(13071420)	672132.37
4342430.64	14.34964 (11121722)			
672353.68	4342430.64	4.38200	(13080704)	672574.99
4342430.64	3.77426 (12051401)			
668148.79	4342595.60	3.78478	(11082822)	668370.10
4342595.60	3.77670 (11082902)			
668591.41	4342595.60	3.63421	(11073024)	668812.72
4342595.60	3.42024 (11082924)			
669034.03	4342595.60	3.22572	(11080506)	669255.34
4342595.60	2.99762 (11080706)			
669476.65	4342595.60	3.30042	(11080306)	669697.96
4342595.60	3.19658 (12073006)			
669919.27	4342595.60	3.14169	(11030104)	670140.58
4342595.60	3.65338 (11031702)			
670361.89	4342595.60	4.89339	(12011706)	670583.20
4342595.60	16.82574 (09120602)			
670804.51	4342595.60	11.50768	(10040724)	671025.82
4342595.60	8.88698 (09101722)			
671247.13	4342595.60	19.86962	(13010421)	671468.44
4342595.60	17.11641 (12021724)			
671689.75	4342595.60	9.48134	(10100218)	671911.06
4342595.60	9.99419 (11030418)			
672132.37	4342595.60	18.00028	(11083019)	672353.68
4342595.60	4.51750 (12070204)			

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 *** 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 1029

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP10 ***
INCLUDING SOURCE(S): STCK8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672574.99	4342595.60	4.07577	(13092318)	668148.79
4342760.56	3.77476 (12091024)			
668370.10	4342760.56	3.79257	(09082424)	668591.41
4342760.56	3.66311 (11073023)			
668812.72	4342760.56	3.47189	(12081104)	669034.03
4342760.56	3.43748 (11080706)			
669255.34	4342760.56	3.32044	(11080706)	669476.65
4342760.56	3.07727 (09090522)			
669697.96	4342760.56	3.48309	(13112608)	669919.27
4342760.56	3.45789 (09022704)			
670140.58	4342760.56	4.24065	(12011706)	670361.89
4342760.56	4.91552 (11030904)			
670583.20	4342760.56	18.29732	(13021807)	670804.51
4342760.56	16.72330 (09120805)			
671025.82	4342760.56	17.78620	(11010908)	671247.13
4342760.56	21.69136 (09010118)			
671468.44	4342760.56	11.12497	(12011417)	671689.75
4342760.56	8.64442 (09112608)			
671911.06	4342760.56	5.49913	(10030721)	672132.37
4342760.56	11.62407 (13031619)			
672353.68	4342760.56	5.97948	(11083019)	672574.99
4342760.56	4.09905 (12100619)			
668148.79	4342925.52	3.75715	(10091205)	668370.10
4342925.52	3.80498 (12082322)			
668591.41	4342925.52	3.70014	(09071921)	668812.72
4342925.52	3.53647 (09062904)			
669034.03	4342925.52	3.41239	(11101407)	669476.65
4342925.52	3.23003 (13112608)			
669697.96	4342925.52	3.82497	(11080106)	669919.27
4342925.52	3.80002 (10051621)			

670140.58	4342925.52	6.73745	(13120520)	670361.89
4342925.52	9.34607 (09120924)			
670583.20	4342925.52	4.70877	(13120602)	670804.51
4342925.52	7.64733 (09031404)			
671025.82	4342925.52	9.92258	(13083123)	671247.13
4342925.52	14.73865 (12011703)			
671468.44	4342925.52	5.88896	(12031904)	671689.75
4342925.52	5.48902 (09021120)			
671911.06	4342925.52	4.70626	(09040302)	672132.37
4342925.52	3.97729 (10021919)			
672353.68	4342925.52	13.61547	(13120923)	672574.99
4342925.52	6.65148 (11083019)			
668148.79	4343090.48	3.74270	(09071921)	668370.10
4343090.48	3.79327 (13070903)			
668591.41	4343090.48	3.72221	(13070103)	669476.65
4343090.48	3.34594 (11112908)			
669697.96	4343090.48	3.14501	(10012407)	669919.27
4343090.48	3.40985 (13073106)			
670140.58	4343090.48	3.89809	(12080406)	670361.89
4343090.48	4.02680 (10122401)			
670583.20	4343090.48	3.77717	(13120603)	670804.51
4343090.48	4.45255 (11022819)			
671025.82	4343090.48	7.22663	(13082205)	671247.13
4343090.48	9.24320 (09080620)			
671468.44	4343090.48	4.95063	(10121422)	671689.75
4343090.48	4.37411 (13050605)			
671911.06	4343090.48	3.80730	(09102701)	672132.37
4343090.48	3.55273 (11052220)			
672353.68	4343090.48	3.03915	(12041819)	672574.99
4343090.48	4.92615 (13082820)			
668148.79	4343255.44	3.73740	(13071201)	668370.10
4343255.44	3.76400 (10080205)			
668591.41	4343255.44	3.76892	(10080401)	669476.65
4343255.44	3.38385 (12042404)			
669697.96	4343255.44	3.05350	(13032507)	669919.27
4343255.44	3.46037 (12080406)			
670140.58	4343255.44	3.33502	(09110317)	670361.89
4343255.44	3.19664 (12011704)			
670583.20	4343255.44	3.19617	(13022507)	670804.51
4343255.44	4.10071 (09030722)			
671025.82	4343255.44	5.63732	(13082205)	671247.13
4343255.44	5.70250 (13012117)			
671468.44	4343255.44	4.42749	(10122221)	671689.75
4343255.44	3.52749 (10020119)			
671911.06	4343255.44	3.07811	(13052419)	672132.37
4343255.44	2.98521 (11053024)			
672353.68	4343255.44	2.85818	(11032104)	672574.99
4343255.44	2.41049 (10102017)			
668148.79	4343420.40	3.69838	(13120522)	668370.10
4343420.40	3.77134 (09062924)			

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1030

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP10 ***
 INCLUDING SOURCE(S): STCK8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668591.41	4343420.40	3.80485	(09072503)	668812.72
4343420.40	3.72756	(12051624)		
669034.03	4343420.40	3.57680	(12042123)	669255.34
4343420.40	3.42585	(10032019)		
669476.65	4343420.40	3.27515	(13111117)	669697.96
4343420.40	3.49322	(11101601)		
669919.27	4343420.40	3.38074	(11091602)	670140.58
4343420.40	3.34142	(11082704)		
670361.89	4343420.40	3.16232	(13110302)	670583.20
4343420.40	3.23968	(10110417)		
670804.51	4343420.40	3.81011	(10122408)	671025.82
4343420.40	11.94301	(12010922)		
671247.13	4343420.40	12.40728	(12011703)	671468.44
4343420.40	3.75392	(10122221)		
671689.75	4343420.40	3.25174	(10020119)	671911.06
4343420.40	2.76804	(13052619)		
672132.37	4343420.40	2.31470	(09102701)	672353.68
4343420.40	2.41294	(13073119)		
672574.99	4343420.40	2.13401	(10102017)	668148.79
4343585.36	3.70246	(12082323)		
668370.10	4343585.36	3.73962	(12030401)	668591.41
4343585.36	3.78524	(13031705)		
668812.72	4343585.36	3.78290	(13031403)	669034.03
4343585.36	3.64168	(12051620)		
669255.34	4343585.36	3.50732	(10051620)	669476.65
4343585.36	3.39954	(11101601)		
669697.96	4343585.36	3.32838	(11091602)	669919.27
4343585.36	3.16668	(10011101)		

670140.58	4343585.36	3.39505	(11082704)	670361.89
4343585.36	2.88348 (11050506)			
670583.20	4343585.36	3.03060	(10110417)	670804.51
4343585.36	2.98020 (11122621)			
671025.82	4343585.36	3.58619	(12020620)	671247.13
4343585.36	12.17558 (12011703)			
671468.44	4343585.36	5.08489	(12101007)	671689.75
4343585.36	3.60305 (12011417)			
671911.06	4343585.36	2.85533	(13050605)	672132.37
4343585.36	2.56315 (13050520)			
672353.68	4343585.36	2.07656	(13052019)	672574.99
4343585.36	2.04624 (12121416)			
668148.79	4343750.32	3.66663	(12030401)	668370.10
4343750.32	3.73427 (13031705)			
668591.41	4343750.32	3.77358	(11031704)	668812.72
4343750.32	3.77952 (10051621)			
669034.03	4343750.32	3.73940	(10032020)	669255.34
4343750.32	3.63061 (13051222)			
669476.65	4343750.32	3.45336	(12052201)	669697.96
4343750.32	3.47933 (10101722)			
669919.27	4343750.32	3.39615	(11082704)	670140.58
4343750.32	3.25994 (12111517)			
670361.89	4343750.32	3.07406	(11050506)	670583.20
4343750.32	3.15633 (09082219)			
670804.51	4343750.32	3.00841	(13082205)	671025.82
4343750.32	2.79566 (12011420)			
671247.13	4343750.32	3.83981	(11102403)	671468.44
4343750.32	4.21690 (13071620)			
671689.75	4343750.32	4.84712	(13122623)	671911.06
4343750.32	9.68113 (13111705)			
672132.37	4343750.32	3.18487	(13093018)	672353.68
4343750.32	2.23728 (09040302)			
672574.99	4343750.32	2.19013	(11052220)	668148.79
4343915.28	3.63253 (09122606)			
668370.10	4343915.28	3.69616	(11031704)	668591.41
4343915.28	3.74077 (10051621)			
668812.72	4343915.28	3.79219	(10032020)	669034.03
4343915.28	3.85694 (13051222)			
669255.34	4343915.28	3.74643	(12051621)	669476.65
4343915.28	3.57797 (11073002)			
669697.96	4343915.28	3.42680	(13051220)	669919.27
4343915.28	3.43242 (11100219)			
670140.58	4343915.28	3.11612	(09081322)	670361.89
4343915.28	3.03541 (09111017)			
670583.20	4343915.28	3.29603	(09082219)	670804.51
4343915.28	3.04863 (13082205)			
671025.82	4343915.28	2.91139	(10032124)	671247.13
4343915.28	3.28875 (09111117)			
671468.44	4343915.28	4.44332	(10041523)	671689.75
4343915.28	8.12293 (11012902)			

671911.06 4343915.28 8.15752 (09080521) 672132.37
 4343915.28 7.32773 (13082220)
 *** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1031

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP10 ***

INCLUDING SOURCE(S): STCK8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672353.68	4343915.28	4.06787	(13110817)	672574.99
4343915.28	2.84262	(10100218)		
668148.79	4344080.24	3.59608	(13121123)	668370.10
4344080.24	3.64544	(10121221)		
668591.41	4344080.24	3.72568	(10032020)	668812.72
4344080.24	3.80780	(10050823)		
669034.03	4344080.24	3.96413	(11040504)	669255.34
4344080.24	3.99996	(10063023)		
669476.65	4344080.24	3.67281	(09042702)	669697.96
4344080.24	3.54651	(10070124)		
669919.27	4344080.24	3.44803	(12111517)	670140.58
4344080.24	3.31027	(13052102)		
670361.89	4344080.24	3.20077	(12030424)	670583.20
4344080.24	3.18990	(09082219)		
670804.51	4344080.24	3.36440	(13082205)	671025.82
4344080.24	4.51224	(09042824)		
671247.13	4344080.24	3.68440	(09111117)	671468.44
4344080.24	4.13994	(12100218)		
671689.75	4344080.24	8.30437	(10052101)	671911.06
4344080.24	2.68020	(10020119)		
672132.37	4344080.24	2.36472	(11030623)	672353.68
4344080.24	2.36851	(09122822)		
672574.99	4344080.24	2.08395	(09040302)	671464.71
4342094.27	78.14690	(13082820)		
671482.23	4342063.91	80.97381	(13101318)	671498.58
4342030.05	81.26490	(13050904)		

671513.75	4341991.52	74.48194	(11012804)	671541.78
4341964.66	61.06223 (13042019)			
671575.64	4341974.00	60.22123	(12090801)	671460.75
4342162.97	60.74418 (10041619)			
671451.00	4342187.35	60.05662	(11092319)	671510.73
4342219.66	54.00618 (10041619)			
671524.14	4342192.84	52.39459	(09090619)	671522.92
4342250.74	53.14714 (13010305)			
671599.11	4342252.57	47.00749	(12022605)	671627.76
4342256.84	44.22154 (13120923)			
671583.88	4342116.03	36.89650	(13082519)	671595.46
4342071.54	39.31949 (13050904)			
671663.12	4342056.30	52.61947	(12011618)	671600.94
4342030.09	57.70493 (09051204)			
671526.58	4342155.65	46.45678	(13061520)	671628.98
4342292.19	40.33687 (13010221)			
671641.78	4341980.71	50.89210	(13042019)	671666.77
4342018.51	53.05672 (09010407)			
671407.11	4342219.66	64.56076	(13072720)	671415.64
4342183.08	70.64252 (09111121)			
671635.08	4341706.42	14.37644	(13011019)	671693.59
4341710.08	12.60275 (10100424)			
671719.80	4341736.29	11.80069	(13010923)	671673.48
4341630.23	12.49174 (10050520)			
671888.04	4341936.22	12.57861	(10080120)	671977.64
4341952.07	20.67256 (13020407)			
672039.21	4341894.77	27.39007	(10052202)	671858.17
4341753.96	8.72387 (12080119)			
671922.78	4341634.49	7.79476	(11091718)	671613.74
4341791.15	16.52983 (13010923)			
671853.29	4341730.80	8.62636	(11091121)	671783.81
4341585.73	9.70316 (13012901)			
671783.20	4341546.72	9.58221	(13012901)	671769.18
4341461.38	8.86558 (13011104)			
671800.87	4341420.54	8.28154	(13011104)	671880.11
4341427.25	7.69116 (10030905)			
672012.39	4341504.66	23.07631	(09102103)	672084.31
4341547.94	22.93832 (12041421)			
671915.47	4341478.45	10.14841	(13052220)	671903.28
4341564.40	7.50508 (12052604)			
671863.05	4341522.34	8.46103	(13012901)	671830.13
4341336.43	7.14772 (13011104)			
671835.62	4341287.66	6.62878	(13011017)	671825.87
4341275.47	6.59411 (13062120)			
672136.73	4341370.56	6.83712	(12081519)	671920.34
4341307.17	14.00683 (13120120)			
671695.42	4341257.19	9.72242	(12121501)	671682.01
4341176.12	16.30804 (09060721)			
671991.66	4341196.23	13.10900	(10022220)	672022.14
4341231.59	16.18163 (13120120)			

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        671992.27   4341177.95       16.84429   (10022220)           671540.60
4341238.29       26.23380   (10031702)
        671575.34   4341177.95       17.49476   (10090519)           671454.65
4341196.23       24.14757   (11120720)
^ *** AERMOD - VERSION 19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***   10/04/21
*** AERMET - VERSION 14134 ***   ***
                        ***   13:59:48

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PAGE 1032

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP10 ***
INCLUDING SOURCE(S): STCK8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
671523.53	4341116.38	12.28840	(13062723)	671413.20
4341126.74	19.36529	(11011506)		
671471.11	4341064.57	10.86124	(13122102)	671601.55
4341050.55	21.67497	(10031702)		
671198.64	4341253.53	18.58625	(11012707)	671278.49
4341212.08	24.31351	(10050122)		
671230.34	4341132.84	13.35239	(10101802)	671073.08
4341271.82	13.33249	(12081403)		
671122.45	4341373.61	29.21997	(13022204)	671118.79
4341397.38	33.89096	(09121804)		
670978.40	4341324.15	17.37825	(11120408)	670932.85
4341394.21	25.26352	(09013124)		
670935.19	4341367.36	23.42710	(09042501)	671108.01
4340976.17	13.04889	(10021523)		
671286.67	4340978.51	10.71416	(13072501)	671675.37
4342488.78	21.24792	(11092319)		
671091.40	4342277.23	16.70516	(10011107)	671051.75
4342332.07	15.23512	(09120805)		
671051.75	4342369.20	13.09045	(09091901)	670953.04
4342360.76	12.05766	(09092805)		
670695.71	4342235.89	8.52884	(13121722)	670545.53
4342318.58	5.95772	(13121722)		
670711.74	4342488.16	9.36125	(11022822)	670648.30
4342501.73	11.83752	(11030904)		

670648.30	4342630.87	23.19668	(13020619)	670806.29
4342728.41	17.25526 (11121801)			
670688.15	4342739.41	19.23578	(10011104)	670804.92
4342427.55	9.10950 (10121224)			
670439.48	4342471.51	4.85824	(11122922)	670358.43
4342578.67	4.65282 (12011706)			
670546.64	4342662.47	12.05878	(13120521)	670537.03
4342595.15	11.60443 (11021306)			
670483.45	4342776.50	12.00012	(09120924)	670508.17
4342754.52	12.84379 (09120924)			
670517.79	4342868.54	11.65563	(09011922)	670545.27
4342850.69	14.44866 (09010720)			
670582.36	4342878.16	13.00743	(13021624)	670304.85
4342688.57	4.60719 (09012705)			
670039.70	4342661.10	3.40603	(11031702)	670156.48
4342673.46	4.10864 (10020321)			
670236.16	4342648.73	4.46711	(10020321)	670071.30
4342738.03	4.09320 (10020321)			
669990.24	4342753.14	3.71826	(09022704)	669928.42
4342742.15	3.35866 (09022704)			
669815.77	4342673.46	3.13680	(11030104)	669742.96
4342655.60	3.09944 (12072506)			
669791.04	4342744.90	3.30594	(11080106)	669696.25
4342731.16	3.34913 (13112608)			
669536.88	4342552.57	3.27284	(11080306)	671174.86
4342280.21	18.19638 (11021301)			
671068.38	4342169.93	20.64557	(12021002)	670965.71
4342179.44	15.11109 (13070602)			
670815.50	4342198.45	9.71103	(13121722)	670737.55
4342097.68	8.40743 (11020401)			
670762.27	4342069.16	8.89299	(11122622)	670817.40
4342040.64	9.83452 (11122622)			
670895.36	4342025.43	11.94502	(12021607)	670979.02
4341915.15	16.83840 (11012001)			
671115.92	4341863.81	30.12815	(09011324)	671199.58
4341770.65	29.43141 (13021020)			
671222.39	4341377.07	37.59779	(13022822)	671714.84
4341392.28	8.44918 (13062120)			
671366.89	4341998.81	59.23832	(12022922)	671226.19
4342236.48	21.75309 (12060320)			
669098.44	4343411.59	3.52954	(12042123)	668908.63
4343364.56	3.64702 (12051624)			
668851.52	4343359.52	3.66894	(12051624)	668831.37
4343371.27	3.68521 (12051624)			
668733.94	4343302.41	3.70907	(09063005)	668686.91
4343199.95	3.70832 (10080401)			
668671.79	4343089.09	3.70576	(13070103)	668806.17
4343001.74	3.55804 (13070103)			
668918.71	4343025.26	3.54593	(11101407)	669024.53
4342942.95	3.45580 (11101407)			

669288.24	4342916.08	3.48677	(12081006)	669333.59
4342922.80	3.47517	(12081006)		
669365.51	4342978.23	3.28470	(12081006)	669336.95
4343151.23	3.21792	(11112908)		
669303.36	4343304.09	3.37584	(12042404)	669222.73
4343235.22	3.31777	(12052101)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1033

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP10 ***
 INCLUDING SOURCE(S): STCK8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

669135.39	4343305.77	3.45592	(12052101)	

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1034

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP11 ***
 INCLUDING SOURCE(S): STCK9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

668148.79	4340781.04	3.05400	(13120803)	668370.10	
4340781.04	3.42159	(12021205)			
668591.41	4340781.04	3.78609	(09121724)	668812.72	
4340781.04	4.16139	(09120107)			
669034.03	4340781.04	4.68315	(13011804)	669255.34	
4340781.04	5.31830	(10121505)			
669476.65	4340781.04	5.78685	(10121505)	669697.96	
4340781.04	5.70246	(10121505)			
669919.27	4340781.04	32.23591	(13022521)	670140.58	
4340781.04	42.68501	(13121005)			
670361.89	4340781.04	43.30563	(12010420)	670583.20	
4340781.04	32.75971	(12120803)			
670804.51	4340781.04	32.06874	(09101922)	671025.82	
4340781.04	28.50223	(13121008)			
671247.13	4340781.04	23.48767	(13122606)	671468.44	
4340781.04	24.81522	(09090305)			
671689.75	4340781.04	29.39382	(11012701)	671911.06	
4340781.04	26.27429	(09060721)			
672132.37	4340781.04	17.63107	(09041524)	672353.68	
4340781.04	27.86217	(12050420)			
672574.99	4340781.04	36.16414	(11092622)	668148.79	
4340946.00	2.98838	(12020323)			
668370.10	4340946.00	3.42019	(11010323)	668591.41	
4340946.00	3.83841	(13120803)			
668812.72	4340946.00	4.23314	(12013021)	669034.03	
4340946.00	4.90197	(10121507)			
669255.34	4340946.00	5.56207	(10013101)	669476.65	
4340946.00	6.27138	(13011407)			
669697.96	4340946.00	7.27228	(10121505)	669919.27	
4340946.00	40.91720	(12122705)			
670140.58	4340946.00	44.68199	(12011604)	670361.89	
4340946.00	51.17263	(13022703)			
670583.20	4340946.00	50.79466	(11012401)	670804.51	
4340946.00	35.97163	(13042203)			
671025.82	4340946.00	30.08613	(13012205)	671247.13	
4340946.00	22.10794	(10101802)			
671468.44	4340946.00	22.27904	(12081721)	671689.75	
4340946.00	36.79255	(10090519)			
671911.06	4340946.00	41.10794	(13042120)	672132.37	
4340946.00	15.26476	(13090720)			
672353.68	4340946.00	22.27906	(11092622)	672574.99	
4340946.00	39.48612	(09042621)			
668148.79	4341110.96	3.06523	(09010222)	668370.10	
4341110.96	3.37385	(13020523)			
668591.41	4341110.96	3.90857	(12020323)	668812.72	
4341110.96	4.39053	(13010219)			
669034.03	4341110.96	5.04467	(13120803)	669255.34	
4341110.96	5.63515	(12013021)			

669476.65	4341110.96	6.64945	(10121507)	669697.96
4341110.96	7.84500	(13011407)		
669919.27	4341110.96	9.24725	(10121505)	670140.58
4341110.96	50.43844	(12122705)		
670361.89	4341110.96	51.83033	(09120217)	670583.20
4341110.96	40.70703	(13122918)		
670804.51	4341110.96	31.93960	(09013022)	671025.82
4341110.96	24.43720	(10062124)		
671247.13	4341110.96	27.61958	(10101802)	671468.44
4341110.96	24.63077	(11090720)		
671689.75	4341110.96	57.39737	(10012623)	671911.06
4341110.96	47.44741	(12121104)		
672132.37	4341110.96	15.96717	(13120120)	672353.68
4341110.96	16.43280	(09061904)		
672574.99	4341110.96	41.75662	(10081303)	668148.79
4341275.92	3.15798	(13120804)		
668370.10	4341275.92	3.50731	(13012122)	668591.41
4341275.92	4.02095	(09010402)		
668812.72	4341275.92	4.61838	(09010222)	669034.03
4341275.92	5.31764	(13020523)		
669255.34	4341275.92	6.05271	(13010219)	669476.65
4341275.92	6.99420	(13120803)		
669697.96	4341275.92	8.24809	(12013021)	669919.27
4341275.92	48.49030	(10013101)		
670140.58	4341275.92	47.15652	(13123002)	670361.89
4341275.92	42.46179	(12122717)		
670583.20	4341275.92	33.28514	(12122704)	670804.51
4341275.92	31.93900	(09072624)		
671025.82	4341275.92	24.63654	(12081520)	671247.13
4341275.92	37.51873	(11092719)		
671468.44	4341275.92	66.85461	(12010501)	671689.75
4341275.92	89.01057	(09011623)		

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 *** 10/04/21

*** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1035

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP11 ***
 INCLUDING SOURCE(S): STCK9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

671911.06	4341275.92	67.98288	(12050420)	672132.37
4341275.92	19.15639 (09061904)			
672353.68	4341275.92	12.72251	(12101607)	672574.99
4341275.92	45.71041 (13080821)			
668148.79	4341440.88	3.19258	(11123104)	668370.10
4341440.88	3.60423 (13022805)			
668591.41	4341440.88	4.10674	(13120804)	668812.72
4341440.88	4.76651 (13120804)			
669034.03	4341440.88	5.43578	(11123024)	669255.34
4341440.88	6.19997 (09010402)			
669476.65	4341440.88	7.28453	(09010222)	669697.96
4341440.88	8.70388 (12020323)			
669919.27	4341440.88	52.53459	(13120803)	670140.58
4341440.88	43.00309 (12120824)			
670361.89	4341440.88	41.21763	(09051804)	670583.20
4341440.88	34.08987 (12122717)			
670804.51	4341440.88	47.22914	(11011819)	671025.82
4341440.88	39.88554 (12041321)			
671689.75	4341440.88	21.56190	(12121104)	671911.06
4341440.88	78.76017 (09042621)			
672132.37	4341440.88	23.34429	(12101607)	672353.68
4341440.88	24.16689 (12041421)			
672574.99	4341440.88	24.64866	(11120722)	668148.79
4341605.84	3.34407 (13121023)			
668370.10	4341605.84	3.74834	(13121023)	668591.41
4341605.84	4.23293 (10013105)			
668812.72	4341605.84	4.80062	(10013105)	669034.03
4341605.84	5.47988 (11120619)			
669255.34	4341605.84	6.34760	(11123104)	669476.65
4341605.84	7.51032 (13120804)			
669697.96	4341605.84	9.05358	(13120804)	669919.27
4341605.84	50.27744 (13012122)			
670140.58	4341605.84	47.79894	(12011203)	670361.89
4341605.84	40.00171 (12081021)			
670583.20	4341605.84	44.67027	(10020808)	670804.51
4341605.84	68.86187 (13013119)			
671025.82	4341605.84	79.78886	(13020608)	671689.75
4341605.84	28.19331 (13120120)			
671911.06	4341605.84	105.31035	(13092802)	672132.37
4341605.84	42.07963 (12070821)			
672353.68	4341605.84	32.77395	(10091419)	672574.99
4341605.84	6.86510 (11120722)			
668148.79	4341770.80	3.27777	(12020606)	668370.10
4341770.80	3.79322 (12020606)			
668591.41	4341770.80	4.17169	(12020606)	668812.72
4341770.80	4.77138 (12020403)			

669034.03	4341770.80	5.54020	(12020403)	669255.34
4341770.80	6.48706	(12020403)		
669476.65	4341770.80	22.19426	(12013107)	669697.96
4341770.80	47.40386	(13121023)		
669919.27	4341770.80	45.68779	(10013105)	670140.58
4341770.80	42.59222	(09031907)		
670361.89	4341770.80	37.10732	(09051703)	670583.20
4341770.80	58.64775	(12010421)		
670804.51	4341770.80	160.16278	(12013108)	671025.82
4341770.80	308.20172	(10121505)		
671689.75	4341770.80	140.98998	(12070821)	671911.06
4341770.80	114.68783	(13111501)		
672132.37	4341770.80	29.23396	(09090320)	672353.68
4341770.80	17.49866	(13122317)		
672574.99	4341770.80	7.60094	(13122317)	668148.79
4341935.76	3.14188	(11010504)		
668370.10	4341935.76	3.61044	(11010504)	668591.41
4341935.76	4.18285	(11010504)		
668812.72	4341935.76	4.83405	(11010504)	669034.03
4341935.76	5.60762	(11010504)		
669255.34	4341935.76	20.28270	(11010504)	669476.65
4341935.76	40.71110	(11010504)		
669697.96	4341935.76	36.88202	(13121424)	669919.27
4341935.76	29.66757	(12042022)		
670140.58	4341935.76	33.16013	(11123022)	670361.89
4341935.76	40.00802	(11123022)		
670583.20	4341935.76	94.48335	(11123022)	670804.51
4341935.76	48.74872	(11010504)		
671468.44	4341935.76	177.81873	(10080120)	671689.75
4341935.76	95.32079	(10080120)		
671911.06	4341935.76	83.56546	(10080120)	672132.37
4341935.76	25.97512	(10080120)		
672353.68	4341935.76	14.13511	(11081719)	672574.99
4341935.76	49.61489	(10080120)		

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 *** 10/04/21

*** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1036

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP11 ***
 INCLUDING SOURCE(S): STCK9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)
668148.79	4342100.72	3.17781	(12013105)	668370.10
4342100.72	3.69756 (12011605)			
668591.41	4342100.72	4.26878	(12011605)	668812.72
4342100.72	4.84386 (12011605)			
669034.03	4342100.72	5.60368	(12011605)	669255.34
4342100.72	6.50858 (10013107)			
669476.65	4342100.72	39.10317	(10013107)	669697.96
4342100.72	45.27084 (13021724)			
669919.27	4342100.72	47.16457	(12010519)	670140.58
4342100.72	39.74474 (13031906)			
670361.89	4342100.72	86.42187	(11121308)	670583.20
4342100.72	26.73449 (09010221)			
671468.44	4342100.72	82.32355	(11030418)	671689.75
4342100.72	59.71792 (11103004)			
671911.06	4342100.72	72.50887	(11012804)	672132.37
4342100.72	38.01583 (12090801)			
672353.68	4342100.72	18.37802	(11082219)	672574.99
4342100.72	49.23505 (11110903)			
668148.79	4342265.68	3.19439	(09121706)	668370.10
4342265.68	3.69424 (11022224)			
668591.41	4342265.68	4.01263	(11022224)	668812.72
4342265.68	4.57214 (11010403)			
669034.03	4342265.68	5.25575	(12121507)	669255.34
4342265.68	6.27244 (12121507)			
669476.65	4342265.68	7.41129	(09121623)	669697.96
4342265.68	9.03123 (12121918)			
669919.27	4342265.68	11.06325	(09010221)	670140.58
4342265.68	45.09629 (13120721)			
670361.89	4342265.68	17.93564	(10012405)	670583.20
4342265.68	24.36223 (13120522)			
670804.51	4342265.68	34.63914	(10021902)	671025.82
4342265.68	152.00213 (09020308)			
671247.13	4342265.68	202.76553	(13081505)	671468.44
4342265.68	61.57041 (13121422)			
671689.75	4342265.68	63.54872	(13071420)	671911.06
4342265.68	55.80584 (12013023)			
672132.37	4342265.68	57.26824	(10011503)	672353.68
4342265.68	43.26067 (09051204)			
672574.99	4342265.68	7.35507	(11011824)	668148.79
4342430.64	2.96176 (12121507)			
668370.10	4342430.64	3.46745	(12121507)	668591.41
4342430.64	3.67939 (09121623)			
668812.72	4342430.64	4.10920	(12121918)	669034.03
4342430.64	4.66921 (12121918)			

669255.34	4342430.64	5.46059	(09010221)	669476.65
4342430.64	6.81255	(13120721)		
669697.96	4342430.64	8.07435	(10121602)	669919.27
4342430.64	10.01116	(10120703)		
670140.58	4342430.64	12.20237	(10121606)	670361.89
4342430.64	15.74549	(12122805)		
670583.20	4342430.64	79.38923	(09120807)	670804.51
4342430.64	106.86283	(11010402)		
671025.82	4342430.64	156.71204	(13020201)	671247.13
4342430.64	52.69023	(12062103)		
671468.44	4342430.64	47.59023	(13090121)	671689.75
4342430.64	37.21533	(11092521)		
671911.06	4342430.64	39.74342	(13071420)	672132.37
4342430.64	52.11886	(11110824)		
672353.68	4342430.64	42.87806	(13050904)	672574.99
4342430.64	6.90237	(10011503)		
668148.79	4342595.60	2.96528	(12121918)	668370.10
4342595.60	3.22817	(10020203)		
668591.41	4342595.60	3.58842	(09010221)	668812.72
4342595.60	4.03858	(13022505)		
669034.03	4342595.60	4.59300	(13120721)	669255.34
4342595.60	5.34380	(10121602)		
669476.65	4342595.60	6.08379	(10120703)	669697.96
4342595.60	7.68404	(13020221)		
669919.27	4342595.60	8.95378	(13120522)	670140.58
4342595.60	11.54360	(10021902)		
670361.89	4342595.60	13.55084	(09120807)	670583.20
4342595.60	53.13551	(13121208)		
670804.51	4342595.60	79.81208	(10011104)	671025.82
4342595.60	119.34840	(13020304)		
671247.13	4342595.60	73.55953	(09020506)	671468.44
4342595.60	30.46753	(12021724)		
671689.75	4342595.60	20.47686	(10100218)	671911.06
4342595.60	18.72391	(11030418)		
672132.37	4342595.60	31.04868	(13071420)	672353.68
4342595.60	51.30030	(11022219)		

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1037

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP11 ***
 INCLUDING SOURCE(S): STCK9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M) CONC	(YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)
-----	-----	-----	-----	-----	-----	-----
4342760.56	672574.99	4342595.60		6.44611	(12013023)	668148.79
		3.00961	(13022505)			
4342760.56	668370.10	4342760.56		3.35732	(13120721)	668591.41
		3.59172	(11121806)			
4342760.56	668812.72	4342760.56		4.05877	(10012405)	669034.03
		4.71680	(10120703)			
4342760.56	669255.34	4342760.56		5.41284	(14010203)	669476.65
		6.02945	(10121606)			
4342760.56	669697.96	4342760.56		7.75147	(12122805)	669919.27
		8.87939	(10021902)			
4342760.56	670140.58	4342760.56		48.83121	(13020305)	670361.89
		61.86316	(11021306)			
4342760.56	670583.20	4342760.56		40.60652	(09020507)	670804.51
		53.23230	(12080203)			
4342760.56	671025.82	4342760.56		57.49862	(10080601)	671247.13
		30.79929	(09010118)			
4342760.56	671468.44	4342760.56		20.77617	(12011417)	671689.75
		17.45829	(13093018)			
4342760.56	671911.06	4342760.56		13.41507	(13082319)	672132.37
		20.62860	(13041405)			
4342760.56	672353.68	4342760.56		46.26399	(13071420)	672574.99
		38.02414	(11022219)			
4342925.52	668148.79	4342925.52		2.95574	(10121602)	668370.10
		3.26165	(10012405)			
4342925.52	668591.41	4342925.52		3.66262	(10120703)	668812.72
		3.99851	(14010203)			
4342925.52	669034.03	4342925.52		4.52159	(10121606)	669476.65
		5.89697	(10021902)			
4342925.52	669697.96	4342925.52		6.97157	(10021902)	669919.27
		35.82123	(13020305)			
4342925.52	670140.58	4342925.52		48.95696	(13120520)	670361.89
		50.42759	(13022504)			
4342925.52	670583.20	4342925.52		60.67723	(13021624)	670804.51
		67.32965	(13112603)			
4342925.52	671025.82	4342925.52		22.16357	(09020202)	671247.13
		24.75656	(09010118)			
4342925.52	671468.44	4342925.52		14.43505	(12011417)	671689.75
		12.79803	(13093018)			
4342925.52	671911.06	4342925.52		11.95435	(10100218)	672132.37
		11.82229	(12063021)			
4342925.52	672353.68	4342925.52		23.97591	(13120923)	672574.99
		35.86249	(13071420)			

668148.79	4343090.48	2.74266	(10120703)	668370.10
4343090.48	3.03150 (12123123)			
668591.41	4343090.48	3.54380	(13020221)	669476.65
4343090.48	5.08782 (10021902)			
669697.96	4343090.48	5.90722	(13020305)	669919.27
4343090.48	7.02401 (12021920)			
670140.58	4343090.48	36.72466	(13120521)	670361.89
4343090.48	9.28182 (09011922)			
670583.20	4343090.48	10.35552	(10121220)	670804.51
4343090.48	57.36298 (13020304)			
671025.82	4343090.48	17.36231	(13070420)	671247.13
4343090.48	19.08613 (09080620)			
671468.44	4343090.48	12.76610	(12101007)	671689.75
4343090.48	12.48976 (13090121)			
671911.06	4343090.48	11.65799	(09112608)	672132.37
4343090.48	8.65659 (12063022)			
672353.68	4343090.48	7.37938	(10021919)	672574.99
4343090.48	13.62716 (13082820)			
668148.79	4343255.44	2.68993	(13020221)	668370.10
4343255.44	2.95501 (10121606)			
668591.41	4343255.44	3.32280	(13120522)	669476.65
4343255.44	4.87962 (13020305)			
669697.96	4343255.44	5.54330	(12021920)	669919.27
4343255.44	6.40548 (09120602)			
670140.58	4343255.44	7.24995	(11122602)	670361.89
4343255.44	8.00322 (10011505)			
670583.20	4343255.44	8.65868	(09120805)	670804.51
4343255.44	9.99208 (10021819)			
671025.82	4343255.44	14.93677	(10101520)	671247.13
4343255.44	15.34376 (09080620)			
671468.44	4343255.44	12.71966	(12101007)	671689.75
4343255.44	9.96397 (12021724)			
671911.06	4343255.44	8.02612	(13011004)	672132.37
4343255.44	7.56602 (10100218)			
672353.68	4343255.44	7.78632	(12063021)	672574.99
4343255.44	6.19990 (11030418)			
668148.79	4343420.40	2.73639	(11010901)	668370.10
4343420.40	2.94563 (10012403)			

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1038

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP11 ***
 INCLUDING SOURCE(S): STCK9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668591.41	4343420.40	3.14034	(10021902)	668812.72
4343420.40	3.39608	(10021902)		
669034.03	4343420.40	3.46916	(12012907)	669255.34
4343420.40	3.83070	(13020305)		
669476.65	4343420.40	4.27397	(10020205)	669697.96
4343420.40	5.19212	(13020224)		
669919.27	4343420.40	5.77151	(13022504)	670140.58
4343420.40	6.14580	(10120202)		
670361.89	4343420.40	6.82197	(09010721)	670583.20
4343420.40	7.39298	(09122802)		
670804.51	4343420.40	8.60632	(12122804)	671025.82
4343420.40	37.00766	(10120702)		
671247.13	4343420.40	19.82548	(12011703)	671468.44
4343420.40	10.73589	(12101007)		
671689.75	4343420.40	8.75495	(12021724)	671911.06
4343420.40	6.86794	(09021120)		
672132.37	4343420.40	6.87411	(09112608)	672353.68
4343420.40	6.15769	(12063022)		
672574.99	4343420.40	5.71216	(12063021)	668148.79
4343585.36	2.78968	(12122805)		
668370.10	4343585.36	2.98796	(10021902)	668591.41
4343585.36	2.95994	(10021902)		
668812.72	4343585.36	3.14616	(11122703)	669034.03
4343585.36	3.49117	(13020305)		
669255.34	4343585.36	3.82285	(10020205)	669476.65
4343585.36	4.17526	(11021306)		
669697.96	4343585.36	4.46317	(11010402)	669919.27
4343585.36	4.94771	(13021807)		
670140.58	4343585.36	5.47168	(10011505)	670361.89
4343585.36	6.05113	(09120805)		
670583.20	4343585.36	6.60299	(13020304)	670804.51
4343585.36	7.33793	(11010908)		
671025.82	4343585.36	7.79062	(12010922)	671247.13
4343585.36	20.14271	(12011703)		
671468.44	4343585.36	12.29250	(13071620)	671689.75
4343585.36	9.52924	(13122623)		
671911.06	4343585.36	6.61640	(13050605)	672132.37
4343585.36	6.92348	(09112608)		
672353.68	4343585.36	5.34077	(09040302)	672574.99
4343585.36	5.02980	(10030721)		

668148.79	4343750.32	2.66037	(10021902)	668370.10
4343750.32	2.77110	(10021902)		
668591.41	4343750.32	2.87330	(11122703)	668812.72
4343750.32	3.06951	(13020305)		
669034.03	4343750.32	3.48094	(10020205)	669255.34
4343750.32	3.76808	(13120520)		
669476.65	4343750.32	3.98940	(13120521)	669697.96
4343750.32	4.24830	(11122602)		
669919.27	4343750.32	4.59537	(13021803)	670140.58
4343750.32	5.03002	(09010721)		
670361.89	4343750.32	5.59095	(10021822)	670583.20
4343750.32	5.89705	(13020304)		
670804.51	4343750.32	6.28409	(09020202)	671025.82
4343750.32	6.57668	(12010922)		
671247.13	4343750.32	30.51401	(12011703)	671468.44
4343750.32	29.24038	(10041523)		
671689.75	4343750.32	32.17656	(13122623)	671911.06
4343750.32	18.20753	(13111705)		
672132.37	4343750.32	9.20780	(12022623)	672353.68
4343750.32	4.89948	(09040302)		
672574.99	4343750.32	5.37951	(13082319)	668148.79
4343915.28	2.34225	(10021902)		
668370.10	4343915.28	2.57526	(11122703)	668591.41
4343915.28	2.81324	(13020305)		
668812.72	4343915.28	3.03018	(10020205)	669034.03
4343915.28	3.33466	(13120520)		
669255.34	4343915.28	3.61728	(09120602)	669476.65
4343915.28	3.84313	(13022504)		
669697.96	4343915.28	4.01833	(09011922)	669919.27
4343915.28	4.28488	(10011505)		
670140.58	4343915.28	4.70087	(11121801)	670361.89
4343915.28	4.99295	(09122802)		
670583.20	4343915.28	5.41933	(12122804)	670804.51
4343915.28	5.66515	(09020202)		
671025.82	4343915.28	5.90727	(11012908)	671247.13
4343915.28	6.03908	(12011703)		
671468.44	4343915.28	27.46357	(10041523)	671689.75
4343915.28	26.50945	(11012902)		
671911.06	4343915.28	14.71918	(09080521)	672132.37
4343915.28	14.45923	(13082220)		

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1039

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP11 ***

INCLUDING SOURCE(S): STCK9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672353.68	4343915.28	10.42682	(09111121)	672574.99
4343915.28	7.13336	(11092319)		
668148.79	4344080.24	2.27302	(09120807)	668370.10
4344080.24	2.45451	(13020305)		
668591.41	4344080.24	2.69107	(10012404)	668812.72
4344080.24	2.93205	(13120520)		
669034.03	4344080.24	3.17153	(09120602)	669255.34
4344080.24	3.41855	(11010402)		
669476.65	4344080.24	3.59091	(13021807)	669697.96
4344080.24	3.78908	(13021803)		
669919.27	4344080.24	4.06382	(11121724)	670140.58
4344080.24	4.49872	(09120805)		
670361.89	4344080.24	4.54825	(13020304)	670583.20
4344080.24	4.91895	(12122804)		
670804.51	4344080.24	5.23113	(09022106)	671025.82
4344080.24	29.11101	(09042824)		
671247.13	4344080.24	5.46790	(12011703)	671468.44
4344080.24	4.56717	(12011703)		
671689.75	4344080.24	16.83711	(10052101)	671911.06
4344080.24	8.55290	(12021724)		
672132.37	4344080.24	5.11428	(11030623)	672353.68
4344080.24	5.41367	(09112608)		
672574.99	4344080.24	4.62364	(10100218)	671464.71
4342094.27	80.86783	(11030418)		
671482.23	4342063.91	86.73637	(13081419)	671498.58
4342030.05	86.64802	(10020707)		
671513.75	4341991.52	101.89681	(11082019)	671541.78
4341964.66	97.88068	(11082219)		
671575.64	4341974.00	83.06140	(11082219)	671460.75
4342162.97	71.31593	(13082319)		
671451.00	4342187.35	67.79732	(10100218)	671510.73
4342219.66	58.83460	(12063021)		
671524.14	4342192.84	61.61460	(12063021)	671522.92
4342250.74	62.19709	(11092521)		
671599.11	4342252.57	57.45279	(10101519)	671627.76
4342256.84	57.23696	(13041405)		
671583.88	4342116.03	52.34001	(13081419)	671595.46
4342071.54	54.71430	(11081819)		

671663.12	4342056.30	56.46872	(10040819)	671600.94
4342030.09	63.12689	(10040819)		
671526.58	4342155.65	59.22613	(11030418)	671628.98
4342292.19	65.84593	(12062820)		
671641.78	4341980.71	68.21593	(11082219)	671666.77
4342018.51	64.43557	(13061621)		
671407.11	4342219.66	68.10119	(13090121)	671415.64
4342183.08	76.11532	(09112608)		
671635.08	4341706.42	190.30228	(10081303)	671693.59
4341710.08	175.65251	(13092802)		
671719.80	4341736.29	173.99353	(11032902)	671673.48
4341630.23	123.18492	(09042621)		
671888.04	4341936.22	93.17622	(10080120)	671977.64
4341952.07	60.25512	(13020407)		
672039.21	4341894.77	43.62842	(12040224)	671858.17
4341753.96	126.26609	(11121817)		
671922.78	4341634.49	105.08926	(12041421)	671613.74
4341791.15	148.92428	(11032902)		
671853.29	4341730.80	128.70823	(11121817)	671783.81
4341585.73	84.85919	(09042621)		
671783.20	4341546.72	85.97810	(09042621)	671769.18
4341461.38	82.90178	(13120120)		
671800.87	4341420.54	93.93091	(13120120)	671880.11
4341427.25	90.15249	(11051920)		
672012.39	4341504.66	33.89486	(12051524)	672084.31
4341547.94	38.49886	(12041421)		
671915.47	4341478.45	77.63340	(13052920)	671903.28
4341564.40	97.86674	(12090723)		
671863.05	4341522.34	101.62503	(13052920)	671830.13
4341336.43	92.49470	(12123124)		
671835.62	4341287.66	87.62621	(11010418)	671825.87
4341275.47	85.76781	(12121104)		
672136.73	4341370.56	18.00408	(10081303)	671920.34
4341307.17	60.17275	(13120120)		
671695.42	4341257.19	83.01908	(09011623)	671682.01
4341176.12	54.79123	(09060721)		
671991.66	4341196.23	52.59673	(10031019)	672022.14
4341231.59	45.15582	(13120120)		
671992.27	4341177.95	42.33154	(12050420)	671540.60
4341238.29	35.89622	(10031702)		
671575.34	4341177.95	29.29169	(13080221)	671454.65
4341196.23	32.16285	(12100124)		

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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PAGE 1040

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP11 ***
INCLUDING SOURCE(S): STCK9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
671523.53	4341116.38	25.05681	(12051020)	671413.20
4341126.74	28.10817 (09090305)			
671471.11	4341064.57	24.08649	(11090720)	671601.55
4341050.55	35.72825 (11012701)			
671198.64	4341253.53	31.62764	(10102519)	671278.49
4341212.08	32.70763 (09082723)			
671230.34	4341132.84	25.66547	(11092719)	671073.08
4341271.82	24.88012 (12081403)			
671122.45	4341373.61	38.27834	(12081403)	671118.79
4341397.38	38.10391 (12081403)			
670978.40	4341324.15	28.25331	(09082905)	670932.85
4341394.21	37.24861 (09041020)			
670935.19	4341367.36	33.80594	(10081604)	671108.01
4340976.17	25.64422 (09082024)			
671286.67	4340978.51	22.34929	(13091301)	671675.37
4342488.78	30.24308 (11092319)			
671091.40	4342277.23	171.14856	(11121801)	671051.75
4342332.07	120.33538 (13122624)			
671051.75	4342369.20	132.93663	(09010719)	670953.04
4342360.76	123.88634 (09020308)			
670695.71	4342235.89	31.94132	(10012403)	670545.53
4342318.58	22.51861 (10012403)			
670711.74	4342488.16	89.98409	(12012908)	670648.30
4342501.73	75.19659 (11121108)			
670648.30	4342630.87	35.99460	(13082806)	670806.29
4342728.41	53.94916 (13122624)			
670688.15	4342739.41	31.95157	(10082601)	670804.92
4342427.55	103.55329 (13120521)			
670439.48	4342471.51	16.85845	(10021902)	670358.43
4342578.67	13.64299 (09120807)			
670546.64	4342662.47	60.32735	(12012908)	670537.03
4342595.15	64.15351 (11021204)			
670483.45	4342776.50	52.80804	(13121803)	670508.17
4342754.52	52.21214 (13121803)			
670517.79	4342868.54	50.67653	(09020222)	670545.27
4342850.69	44.56488 (09120808)			

670582.36	4342878.16	49.05295	(10011103)	670304.85
4342688.57	46.98248 (10012404)			
670039.70	4342661.10	10.15456	(10021902)	670156.48
4342673.46	10.76685 (10021902)			
670236.16	4342648.73	11.57483	(09120807)	670071.30
4342738.03	9.56306 (10021902)			
669990.24	4342753.14	9.20543	(10021902)	669928.42
4342742.15	9.02476 (10021902)			
669815.77	4342673.46	8.53500	(10012403)	669742.96
4342655.60	8.16142 (11010901)			
669791.04	4342744.90	8.30531	(12122805)	669696.25
4342731.16	7.80603 (10012403)			
669536.88	4342552.57	6.38722	(10012405)	671174.86
4342280.21	220.53052 (12122804)			
671068.38	4342169.93	270.48063	(13022504)	670965.71
4342179.44	59.28353 (10012404)			
670815.50	4342198.45	40.95947	(10021902)	670737.55
4342097.68	35.79334 (13120721)			
670762.27	4342069.16	38.55133	(13022505)	670817.40
4342040.64	45.57811 (10020203)			
670895.36	4342025.43	59.09177	(09010221)	670979.02
4341915.15	85.97190 (09123019)			
671115.92	4341863.81	183.41131	(13120803)	671199.58
4341770.65	148.01898 (09010405)			
671222.39	4341377.07	58.66118	(11012707)	671714.84
4341392.28	100.89056 (12121104)			
671366.89	4341998.81	540.44394	(13082820)	671226.19
4342236.48	256.41255 (09022106)			
669098.44	4343411.59	3.55903	(11122703)	668908.63
4343364.56	3.54376 (10021902)			
668851.52	4343359.52	3.51312	(10021902)	668831.37
4343371.27	3.47076 (10021902)			
668733.94	4343302.41	3.46579	(12122805)	668686.91
4343199.95	3.53184 (13120522)			
668671.79	4343089.09	3.62282	(10121606)	668806.17
4343001.74	3.88268 (10121606)			
668918.71	4343025.26	4.13174	(11010901)	669024.53
4342942.95	4.45168 (10121606)			
669288.24	4342916.08	5.25741	(13120522)	669333.59
4342922.80	5.37650 (10012403)			
669365.51	4342978.23	5.34544	(12122805)	669336.95
4343151.23	4.65045 (10021902)			
669303.36	4343304.09	4.21411	(09120807)	669222.73
4343235.22	4.19760 (10021902)			

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▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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*** AERMET - VERSION 14134 *** ***
*** 13:59:48

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP11 ***

INCLUDING SOURCE(S): STCK9 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
669135.39	4343305.77	3.80456	(10021902)	

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 1042

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP12 ***

INCLUDING SOURCE(S): L0001020 , L0001021

, L0001022	, L0001023	, L0001024	,			
	L0001025	, L0001026	, L0001027	, L0001028	, L0001029	
, L0001030	, L0001031	, L0001032	,			
	L0001033	, L0001034	, L0001035	, L0001036	, L0001037	
, L0001038	, L0001039	, L0001040	,			
	L0001041	, L0001042	, L0001043	, L0001044	, L0001045	
, L0001046	, L0001047	, . . .	,			

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4340781.04	8.49169	(11122718)	668370.10
4340781.04	9.55688	(12010418)		
668591.41	4340781.04	10.53116	(09122317)	668812.72

4340781.04	11.30571	(10020808)	
669034.03	4340781.04	12.88801	(11020218) 669255.34
4340781.04	14.51932	(10010719)	
669476.65	4340781.04	15.96345	(12011319) 669697.96
4340781.04	16.69338	(12011319)	
669919.27	4340781.04	62.94963	(10122708) 670140.58
4340781.04	67.41900	(10122717)	
670361.89	4340781.04	62.37239	(12120808) 670583.20
4340781.04	45.14155	(13120419)	
670804.51	4340781.04	46.42437	(11012619) 671025.82
4340781.04	39.28979	(13121008)	
671247.13	4340781.04	34.51220	(10101419) 671468.44
4340781.04	41.07432	(09102318)	
671689.75	4340781.04	58.19302	(11033119) 671911.06
4340781.04	54.19165	(11123117)	
672132.37	4340781.04	43.06715	(13092719) 672353.68
4340781.04	71.48287	(10031019)	
672574.99	4340781.04	78.04320	(12091119) 668148.79
4340946.00	8.33296	(10021319)	
668370.10	4340946.00	9.51660	(13010219) 668591.41
4340946.00	10.56698	(11122718)	
668812.72	4340946.00	11.62303	(12010418) 669034.03
4340946.00	13.37862	(09122317)	
669255.34	4340946.00	15.03629	(11020218) 669476.65
4340946.00	16.57954	(11020218)	
669697.96	4340946.00	26.02875	(12011319) 669919.27
4340946.00	68.16223	(13013119)	
670140.58	4340946.00	76.89696	(10122708) 670361.89
4340946.00	74.42094	(11011819)	
670583.20	4340946.00	69.49415	(10010217) 670804.51
4340946.00	46.72502	(13012808)	
671025.82	4340946.00	37.58551	(11102818) 671247.13
4340946.00	32.38574	(10101419)	
671468.44	4340946.00	34.57429	(13111518) 671689.75
4340946.00	71.12407	(11033119)	
671911.06	4340946.00	101.96293	(10090919) 672132.37
4340946.00	41.42089	(09033019)	
672353.68	4340946.00	55.84745	(12091119) 672574.99
4340946.00	78.62413	(11100718)	
668148.79	4341110.96	8.49898	(13020419) 668370.10
4341110.96	9.36931	(13020419)	
668591.41	4341110.96	10.81239	(10021319) 668812.72
4341110.96	12.06614	(13010219)	
669034.03	4341110.96	13.69946	(11122718) 669255.34
4341110.96	15.16683	(12010418)	
669476.65	4341110.96	17.41008	(09122317) 669697.96
4341110.96	36.35448	(11020218)	
669919.27	4341110.96	27.53494	(10010719) 670140.58
4341110.96	76.63623	(13013119)	
670361.89	4341110.96	70.08224	(10122708) 670583.20

4341110.96	50.83362	(13122318)		
670804.51	4341110.96	34.38072	(13120419)	671025.82
4341110.96	30.71065	(12050719)		
671247.13	4341110.96	37.25384	(10101419)	671468.44
4341110.96	37.44598	(11032919)		
671689.75	4341110.96	115.29861	(09032319)	671911.06
4341110.96	124.73730	(13092719)		
672132.37	4341110.96	39.15086	(12091119)	672353.68
4341110.96	33.86735	(11100718)		
672574.99	4341110.96	91.69929	(10091119)	668148.79
4341275.92	8.81937	(09121708)		
668370.10	4341275.92	9.76122	(09012008)	668591.41
4341275.92	11.05785	(09012008)		
668812.72	4341275.92	12.65263	(13020419)	669034.03
4341275.92	16.54851	(13020419)		
669255.34	4341275.92	16.42608	(10021319)	669476.65
4341275.92	18.22853	(11122718)		
669697.96	4341275.92	20.90633	(12010418)	669919.27
4341275.92	79.39665	(10112418)		
670140.58	4341275.92	62.71409	(09091119)	670361.89
4341275.92	54.03093	(12010419)		
670583.20	4341275.92	36.85349	(09120208)	670804.51
4341275.92	36.09503	(09011017)		
671025.82	4341275.92	28.81122	(11012619)	671247.13
4341275.92	46.13648	(11092719)		
671468.44	4341275.92	106.11974	(12110318)	671689.75
4341275.92	199.38856	(11123117)		
▲ *** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc				
	***	10/04/21		
*** AERMET - VERSION 14134 ***				
	***	13:59:48		

PAGE 1043

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP12 ***

INCLUDING SOURCE(S): L0001020 , L0001021
 , L0001022 , L0001023 , L0001024 ,
 L0001025 , L0001026 , L0001027 , L0001028 , L0001029
 , L0001030 , L0001031 , L0001032 ,
 L0001033 , L0001034 , L0001035 , L0001036 , L0001037
 , L0001038 , L0001039 , L0001040 ,
 L0001041 , L0001042 , L0001043 , L0001044 , L0001045
 , L0001046 , L0001047 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)
671911.06	4341275.92	175.44622 (10031019)	672132.37
4341275.92	39.54201 (11100718)		
672353.68	4341275.92	28.04803 (09120718)	672574.99
4341275.92	85.30058 (09100818)		
668148.79	4341440.88	8.93227 (11120619)	668370.10
4341440.88	10.01907 (11120619)		
668591.41	4341440.88	11.23970 (11120619)	668812.72
4341440.88	13.12852 (09121708)		
669034.03	4341440.88	15.63167 (09121708)	669255.34
4341440.88	16.68636 (09012008)		
669476.65	4341440.88	18.90665 (13020419)	669697.96
4341440.88	24.04027 (13020419)		
669919.27	4341440.88	77.27441 (13010219)	670140.58
4341440.88	55.94225 (12010418)		
670361.89	4341440.88	48.66247 (10020808)	670583.20
4341440.88	35.08402 (09112108)		
670804.51	4341440.88	45.86541 (09021008)	671025.82
4341440.88	36.07671 (13100918)		
671689.75	4341440.88	136.50345 (11010418)	671911.06
4341440.88	161.11638 (11100718)		
672132.37	4341440.88	44.04463 (10111117)	672353.68
4341440.88	44.27406 (13022818)		
672574.99	4341440.88	43.35298 (10091419)	668148.79
4341605.84	9.27608 (09020319)		
668370.10	4341605.84	10.31105 (09020319)	668591.41
4341605.84	11.57987 (11120619)		
668812.72	4341605.84	13.20486 (11120619)	669034.03
4341605.84	15.04191 (11120619)		
669255.34	4341605.84	17.14225 (11120619)	669476.65
4341605.84	19.54097 (11120619)		
669697.96	4341605.84	39.73944 (09121708)	669919.27
4341605.84	72.15341 (09121708)		
670140.58	4341605.84	62.50378 (09012008)	670361.89
4341605.84	44.62533 (12020808)		
670583.20	4341605.84	40.23313 (11122718)	670804.51
4341605.84	69.70933 (10020808)		
671025.82	4341605.84	60.06011 (09021008)	671689.75
4341605.84	110.32828 (11090519)		
671911.06	4341605.84	174.40873 (09100818)	672132.37
4341605.84	71.32480 (10010517)		
672353.68	4341605.84	55.97644 (10091419)	672574.99
4341605.84	28.87870 (13122317)		
668148.79	4341770.80	9.20504 (09123019)	668370.10
4341770.80	10.65146 (09123019)		

668591.41	4341770.80	11.60136	(09123019)	668812.72
4341770.80	13.17226	(09123019)		
669034.03	4341770.80	15.18841	(09020319)	669255.34
4341770.80	18.38255	(09020319)		
669476.65	4341770.80	43.61446	(09020319)	669697.96
4341770.80	79.31462	(09020319)		
669919.27	4341770.80	66.53716	(09020208)	670140.58
4341770.80	56.08970	(09020208)		
670361.89	4341770.80	40.71935	(13021408)	670583.20
4341770.80	57.66358	(11120619)		
670804.51	4341770.80	143.14838	(11120619)	671025.82
4341770.80	220.75540	(13020419)		
671689.75	4341770.80	167.33658	(09100818)	671911.06
4341770.80	146.47955	(11040519)		
672132.37	4341770.80	40.77009	(11092618)	672353.68
4341770.80	28.17927	(11092618)		
672574.99	4341770.80	29.72187	(12013019)	668148.79
4341935.76	8.71883	(10010608)		
668370.10	4341935.76	9.98054	(10010608)	668591.41
4341935.76	11.53156	(10010608)		
668812.72	4341935.76	13.31161	(10010608)	669034.03
4341935.76	15.46067	(10010608)		
669255.34	4341935.76	40.91800	(10010608)	669476.65
4341935.76	74.14137	(10010608)		
669697.96	4341935.76	58.87535	(10010608)	669919.27
4341935.76	41.92951	(10010608)		
670140.58	4341935.76	41.82629	(13012118)	670361.89
4341935.76	46.53545	(13020108)		
670583.20	4341935.76	108.03499	(13020108)	670804.51
4341935.76	93.95568	(11122419)		
671468.44	4341935.76	106.35304	(13092318)	671689.75
4341935.76	83.51774	(12090419)		
671911.06	4341935.76	90.56852	(13042019)	672132.37
4341935.76	33.58891	(11051019)		
672353.68	4341935.76	23.12043	(11081719)	672574.99
4341935.76	82.81898	(13122719)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1044

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP12 ***
 INCLUDING SOURCE(S): L0001020 , L0001021
 , L0001022 , L0001023 , L0001024 ,
 L0001025 , L0001026 , L0001027 , L0001028 , L0001029
 , L0001030 , L0001031 , L0001032 ,

L0001033 , L0001034 , L0001035 , L0001036 , L0001037
 , L0001038 , L0001039 , L0001040 ,
 L0001041 , L0001042 , L0001043 , L0001044 , L0001045
 , L0001046 , L0001047 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4342100.72	8.89746	(12011408)	668370.10
4342100.72	10.32350	(12011408)		
668591.41	4342100.72	11.89442	(11122419)	668812.72
4342100.72	13.44884	(11122419)		
669034.03	4342100.72	15.59763	(11122419)	669255.34
4342100.72	24.68869	(12010519)		
669476.65	4342100.72	76.07549	(13020108)	669697.96
4342100.72	76.56722	(12010519)		
669919.27	4342100.72	74.10368	(11121308)	670140.58
4342100.72	58.61183	(11122619)		
670361.89	4342100.72	133.63983	(12121918)	670583.20
4342100.72	61.46224	(12121918)		
671468.44	4342100.72	53.91874	(10021018)	671689.75
4342100.72	50.50809	(13092318)		
671911.06	4342100.72	71.41036	(13101918)	672132.37
4342100.72	42.18824	(11082019)		
672353.68	4342100.72	26.02950	(10081319)	672574.99
4342100.72	74.96835	(13042019)		
668148.79	4342265.68	8.98403	(12010519)	668370.10
4342265.68	10.36406	(12010519)		
668591.41	4342265.68	11.15870	(12010519)	668812.72
4342265.68	12.59711	(12010519)		
669034.03	4342265.68	14.45355	(11121308)	669255.34
4342265.68	17.11774	(11121308)		
669476.65	4342265.68	19.83295	(12121918)	669697.96
4342265.68	34.91060	(12121918)		
669919.27	4342265.68	36.76343	(12020919)	670140.58
4342265.68	81.84614	(12020919)		
670361.89	4342265.68	44.68542	(10120618)	670583.20
4342265.68	60.37984	(14010208)		
670804.51	4342265.68	92.34280	(13123008)	671025.82
4342265.68	303.46464	(09120808)		
671247.13	4342265.68	232.61998	(11012908)	671468.44
4342265.68	56.30070	(11022319)		
671689.75	4342265.68	54.61272	(10101519)	671911.06

4342265.68	55.96205	(12100619)		
672132.37	4342265.68	57.54932	(13041019)	672353.68
4342265.68	54.64268	(12011618)		
672574.99	4342265.68	26.46058	(12011618)	668148.79
4342430.64	8.34654	(11121308)		
668370.10	4342430.64	9.76159	(11121308)	668591.41
4342430.64	10.33100	(12121918)		
668812.72	4342430.64	11.53979	(12121918)	669034.03
4342430.64	12.96716	(12121918)		
669255.34	4342430.64	14.68593	(12121918)	669476.65
4342430.64	18.21664	(12020919)		
669697.96	4342430.64	21.16561	(12020919)	669919.27
4342430.64	25.93381	(10120618)		
670140.58	4342430.64	30.89479	(14010208)	670361.89
4342430.64	40.29480	(12121508)		
670583.20	4342430.64	157.71646	(12010518)	670804.51
4342430.64	208.44948	(13020619)		
671025.82	4342430.64	274.64618	(09010719)	671247.13
4342430.64	64.89066	(13012117)		
671468.44	4342430.64	46.14986	(10040319)	671689.75
4342430.64	40.02205	(13082319)		
671911.06	4342430.64	40.55439	(13031619)	672132.37
4342430.64	63.36324	(12100619)		
672353.68	4342430.64	57.88226	(11022219)	672574.99
4342430.64	16.27269	(12011618)		
668148.79	4342595.60	8.40113	(12121918)	668370.10
4342595.60	9.06651	(12121918)		
668591.41	4342595.60	9.85066	(12121918)	668812.72
4342595.60	11.19658	(12020919)		
669034.03	4342595.60	12.81106	(12020919)	669255.34
4342595.60	14.63552	(12020919)		
669476.65	4342595.60	16.59150	(10120618)	669697.96
4342595.60	20.17047	(10120618)		
669919.27	4342595.60	23.44473	(14010208)	670140.58
4342595.60	30.01782	(13123008)		
670361.89	4342595.60	36.35194	(12010518)	670583.20
4342595.60	126.05256	(13121208)		
670804.51	4342595.60	175.85903	(09122608)	671025.82
4342595.60	209.65811	(10021819)		
671247.13	4342595.60	107.10597	(09010118)	671468.44
4342595.60	34.77043	(12102318)		
671689.75	4342595.60	27.61735	(09112608)	671911.06
4342595.60	25.25196	(10021919)		
672132.37	4342595.60	34.94853	(11083019)	672353.68
4342595.60	83.32671	(12100619)		
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	***	10/04/21		
*** AERMET - VERSION 14134 *** ***				
	***	13:59:48		

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP12 ***
 INCLUDING SOURCE(S): L0001020 , L0001021
 , L0001022 , L0001023 , L0001024 ,
 L0001025 , L0001026 , L0001027 , L0001028 , L0001029
 , L0001030 , L0001031 , L0001032 ,
 L0001033 , L0001034 , L0001035 , L0001036 , L0001037
 , L0001038 , L0001039 , L0001040 ,
 L0001041 , L0001042 , L0001043 , L0001044 , L0001045
 , L0001046 , L0001047 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672574.99	4342595.60	19.57318	(11022219)	668148.79
4342760.56	8.35568	(12020919)		
668370.10	4342760.56	9.42629	(12020919)	668591.41
4342760.56	10.12374	(12020919)		
668812.72	4342760.56	11.19080	(12020919)	669034.03
4342760.56	13.22978	(10120618)		
669255.34	4342760.56	14.95833	(10120618)	669476.65
4342760.56	16.52692	(14010208)		
669697.96	4342760.56	21.05215	(12121508)	669919.27
4342760.56	23.64007	(13123008)		
670140.58	4342760.56	111.93236	(12010518)	670361.89
4342760.56	136.12855	(13121208)		
670583.20	4342760.56	95.63362	(13020619)	670804.51
4342760.56	115.87381	(10121308)		
671025.82	4342760.56	107.19941	(10021819)	671247.13
4342760.56	44.71402	(13012117)		
671468.44	4342760.56	30.61339	(12011417)	671689.75
4342760.56	25.72327	(11022319)		
671911.06	4342760.56	20.04076	(10021018)	672132.37
4342760.56	25.79615	(11030418)		
672353.68	4342760.56	68.57742	(11083019)	672574.99
4342760.56	68.98416	(12100619)		
668148.79	4342925.52	8.34718	(12020919)	668370.10
4342925.52	9.06371	(10120618)		
668591.41	4342925.52	10.36438	(10120618)	668812.72
4342925.52	11.22076	(10120618)		

669034.03	4342925.52	12.48646	(14010208)	669476.65
4342925.52	16.40479 (13123008)			
669697.96	4342925.52	19.25453	(13123008)	669919.27
4342925.52	82.11546 (12010518)			
670140.58	4342925.52	101.35473	(13121208)	670361.89
4342925.52	116.37147 (12121219)			
670583.20	4342925.52	135.73537	(10110418)	670804.51
4342925.52	136.64584 (09121008)			
671025.82	4342925.52	36.36910	(11040919)	671247.13
4342925.52	38.50233 (13012117)			
671468.44	4342925.52	23.15291	(12011417)	671689.75
4342925.52	20.80207 (10040319)			
671911.06	4342925.52	17.34545	(11081319)	672132.37
4342925.52	14.94988 (10021919)			
672353.68	4342925.52	32.39834	(10100219)	672574.99
4342925.52	57.15007 (11083019)			
668148.79	4343090.48	7.82685	(10120618)	668370.10
4343090.48	8.59391 (10120618)			
668591.41	4343090.48	9.73294	(14010208)	669476.65
4343090.48	14.31863 (13123008)			
669697.96	4343090.48	16.45594	(12010518)	669919.27
4343090.48	18.97946 (12011719)			
670140.58	4343090.48	82.05724	(11100319)	670361.89
4343090.48	24.90855 (09120808)			
670583.20	4343090.48	26.86819	(09010719)	670804.51
4343090.48	116.05809 (10021819)			
671025.82	4343090.48	29.35426	(13032719)	671247.13
4343090.48	31.84218 (13012117)			
671468.44	4343090.48	19.82492	(12100218)	671689.75
4343090.48	17.89127 (10040319)			
671911.06	4343090.48	16.82794	(09112608)	672132.37
4343090.48	14.95980 (10021018)			
672353.68	4343090.48	13.12509	(10021919)	672574.99
4343090.48	17.78618 (11081119)			
668148.79	4343255.44	7.47349	(10120618)	668370.10
4343255.44	8.33216 (14010208)			
668591.41	4343255.44	9.41009	(14010208)	669476.65
4343255.44	13.81075 (12010518)			
669697.96	4343255.44	15.37083	(12011719)	669919.27
4343255.44	17.65485 (13121208)			
670140.58	4343255.44	19.71234	(13020619)	670361.89
4343255.44	21.29143 (09122608)			
670583.20	4343255.44	22.87447	(09010719)	670804.51
4343255.44	26.15372 (10021819)			
671025.82	4343255.44	27.33150	(13032719)	671247.13
4343255.44	26.09533 (13012117)			
671468.44	4343255.44	20.19452	(12100218)	671689.75
4343255.44	16.37801 (10020119)			
671911.06	4343255.44	14.06245	(11022319)	672132.37
4343255.44	12.51965 (10021018)			

672353.68 4343255.44 11.69309 (10050719) 672574.99
 4343255.44 10.86234 (10021919)
 668148.79 4343420.40 7.80243 (14010208) 668370.10
 4343420.40 8.37745 (12121508)

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1046

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP12 ***
 INCLUDING SOURCE(S): L0001020 , L0001021
 , L0001022 , L0001023 , L0001024 ,
 L0001025 , L0001026 , L0001027 , L0001028 , L0001029
 , L0001030 , L0001031 , L0001032 ,
 L0001033 , L0001034 , L0001035 , L0001036 , L0001037
 , L0001038 , L0001039 , L0001040 ,
 L0001041 , L0001042 , L0001043 , L0001044 , L0001045
 , L0001046 , L0001047 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668591.41	4343420.40	8.95405	(13123008)	668812.72
4343420.40	9.65295 (13123008)			
669034.03	4343420.40	9.89120	(11122608)	669255.34
4343420.40	10.90655 (12010518)			
669476.65	4343420.40	12.02063	(12011719)	669697.96
4343420.40	14.70069 (13121208)			
669919.27	4343420.40	16.10828	(13020619)	670140.58
4343420.40	17.00469 (13021619)			
670361.89	4343420.40	17.98096	(09010719)	670583.20
4343420.40	19.14190 (09010719)			
670804.51	4343420.40	22.59306	(10021819)	671025.82
4343420.40	60.83240 (12091419)			
671247.13	4343420.40	35.13463	(09010118)	671468.44
4343420.40	16.90421 (12100218)			
671689.75	4343420.40	15.01583	(12102318)	671911.06
4343420.40	11.72052 (11030318)			
672132.37	4343420.40	11.90997	(09112608)	672353.68

4343420.40	10.97467	(10021018)		
672574.99	4343420.40	9.48960	(10021919)	668148.79
4343585.36	7.98432	(12121508)		
668370.10	4343585.36	8.51957	(13123008)	668591.41
4343585.36	8.45515	(13123008)		
668812.72	4343585.36	8.95348	(11122608)	669034.03
4343585.36	9.96112	(12010518)		
669255.34	4343585.36	10.78991	(13123019)	669476.65
4343585.36	11.85464	(13121208)		
669697.96	4343585.36	12.44624	(13020619)	669919.27
4343585.36	13.96156	(09120808)		
670140.58	4343585.36	15.01180	(09122608)	670361.89
4343585.36	16.62129	(09010719)		
670583.20	4343585.36	17.32892	(10021819)	670804.51
4343585.36	18.80868	(10021819)		
671025.82	4343585.36	19.76797	(11012908)	671247.13
4343585.36	36.88168	(09010118)		
671468.44	4343585.36	19.68753	(13121217)	671689.75
4343585.36	17.31012	(12011417)		
671911.06	4343585.36	12.85775	(11030318)	672132.37
4343585.36	11.64862	(11022319)		
672353.68	4343585.36	9.71714	(10021018)	672574.99
4343585.36	8.99071	(10050719)		
668148.79	4343750.32	7.60528	(13123008)	668370.10
4343750.32	7.97716	(13123008)		
668591.41	4343750.32	8.17894	(11122608)	668812.72
4343750.32	8.78507	(12010518)		
669034.03	4343750.32	9.92939	(13123019)	669255.34
4343750.32	10.71231	(13121208)		
669476.65	4343750.32	11.03774	(13121208)	669697.96
4343750.32	12.02658	(13020619)		
669919.27	4343750.32	13.04265	(09122608)	670140.58
4343750.32	13.52621	(09010719)		
670361.89	4343750.32	15.37697	(09010719)	670583.20
4343750.32	16.18060	(10021819)		
670804.51	4343750.32	15.65437	(10021819)	671025.82
4343750.32	17.37428	(11012908)		
671247.13	4343750.32	61.35463	(09010118)	671468.44
4343750.32	61.40985	(13121217)		
671689.75	4343750.32	62.72787	(13110818)	671911.06
4343750.32	27.77343	(09120817)		
672132.37	4343750.32	15.06605	(13093018)	672353.68
4343750.32	10.61396	(09112608)		
672574.99	4343750.32	10.22158	(10021018)	668148.79
4343915.28	6.76271	(13123008)		
668370.10	4343915.28	7.33245	(11122608)	668591.41
4343915.28	8.11373	(12010518)		
668812.72	4343915.28	8.67553	(13123019)	669034.03
4343915.28	9.45249	(13121208)		
669255.34	4343915.28	10.27536	(13121208)	669476.65

4343915.28 10.98992 (13020619)
 669697.96 4343915.28 11.45887 (09120808) 669919.27
 4343915.28 11.87619 (09122608)
 670140.58 4343915.28 13.21634 (09010719) 670361.89
 4343915.28 13.29657 (09010719)
 670583.20 4343915.28 15.12874 (10021819) 670804.51
 4343915.28 13.66145 (10021819)
 671025.82 4343915.28 16.28348 (11012908) 671247.13
 4343915.28 16.23175 (09010118)
 671468.44 4343915.28 57.39709 (13121217) 671689.75
 4343915.28 50.51290 (13100819)
 671911.06 4343915.28 25.46042 (09120817) 672132.37
 4343915.28 20.74350 (13093018)
 ^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1047

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP12 ***
 INCLUDING SOURCE(S): L0001020 , L0001021
 , L0001022 , L0001023 , L0001024 ,
 L0001025 , L0001026 , L0001027 , L0001028 , L0001029
 , L0001030 , L0001031 , L0001032 ,
 L0001033 , L0001034 , L0001035 , L0001036 , L0001037
 , L0001038 , L0001039 , L0001040 ,
 L0001041 , L0001042 , L0001043 , L0001044 , L0001045
 , L0001046 , L0001047 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672353.68	4343915.28	17.55608	(09112608)	672574.99
4343915.28	12.73819	(10100218)		
668148.79	4344080.24	6.45191	(12010518)	668370.10
4344080.24	7.06602	(12010518)		
668591.41	4344080.24	7.73340	(13123019)	668812.72
4344080.24	8.24913	(13121208)		
669034.03	4344080.24	9.12975	(13121208)	669255.34
4344080.24	9.80187	(13020619)		

669476.65	4344080.24	10.21766	(09120808)	669697.96
4344080.24	10.82511	(09122608)		
669919.27	4344080.24	10.87099	(09010719)	670140.58
4344080.24	12.78289	(09010719)		
670361.89	4344080.24	12.28394	(10021819)	670583.20
4344080.24	13.68559	(10021819)		
670804.51	4344080.24	11.98142	(10021819)	671025.82
4344080.24	65.41199	(11012908)		
671247.13	4344080.24	14.99525	(09010118)	671468.44
4344080.24	12.19389	(09010118)		
671689.75	4344080.24	31.68106	(13100819)	671911.06
4344080.24	13.30261	(10020119)		
672132.37	4344080.24	10.52308	(10040319)	672353.68
4344080.24	11.14907	(11022319)		
672574.99	4344080.24	9.49416	(09112608)	671464.71
4342094.27	55.33932	(10021018)		
671482.23	4342063.91	58.61854	(10021919)	671498.58
4342030.05	60.92011	(10122217)		
671513.75	4341991.52	67.60131	(13081419)	671541.78
4341964.66	71.83680	(10122218)		
671575.64	4341974.00	62.31650	(10122218)	671460.75
4342162.97	50.68613	(11081319)		
671451.00	4342187.35	51.62376	(11022319)	671510.73
4342219.66	49.33518	(10021018)		
671524.14	4342192.84	47.09136	(10021018)	671522.92
4342250.74	50.69274	(09112608)		
671599.11	4342252.57	47.97822	(10021919)	671627.76
4342256.84	49.02492	(10021919)		
671583.88	4342116.03	41.95956	(11081119)	671595.46
4342071.54	43.28191	(12080819)		
671663.12	4342056.30	49.29589	(09031318)	671600.94
4342030.09	48.35474	(11080819)		
671526.58	4342155.65	44.54142	(10021919)	671628.98
4342292.19	51.89109	(13100718)		
671641.78	4341980.71	59.84596	(10112508)	671666.77
4342018.51	54.56400	(13012818)		
671407.11	4342219.66	58.96208	(11030318)	671415.64
4342183.08	57.51243	(11030318)		
671635.08	4341706.42	284.93225	(10091119)	671693.59
4341710.08	249.49832	(09100818)		
671719.80	4341736.29	221.81581	(09100818)	671673.48
4341630.23	207.96099	(10091119)		
671888.04	4341936.22	99.15951	(13042019)	671977.64
4341952.07	67.81354	(13042019)		
672039.21	4341894.77	47.79818	(11081719)	671858.17
4341753.96	183.53005	(10091419)		
671922.78	4341634.49	160.69401	(09100818)	671613.74
4341791.15	165.82400	(09100818)		
671853.29	4341730.80	188.34216	(10091419)	671783.81
4341585.73	144.71397	(10091119)		

671783.20	4341546.72	142.52492	(10091119)	671769.18
4341461.38	143.66906	(10031019)		
671800.87	4341420.54	187.99545	(10031019)	671880.11
4341427.25	175.52639	(11100718)		
672012.39	4341504.66	64.74423	(10111117)	672084.31
4341547.94	66.47407	(13022818)		
671915.47	4341478.45	167.58213	(10091119)	671903.28
4341564.40	177.57448	(11090519)		
671863.05	4341522.34	217.50903	(10091119)	671830.13
4341336.43	221.70926	(11010418)		
671835.62	4341287.66	216.65429	(11010418)	671825.87
4341275.47	209.45401	(11010418)		
672136.73	4341370.56	37.99976	(10091119)	671920.34
4341307.17	154.11467	(10031019)		
671695.42	4341257.19	185.99298	(11123117)	671682.01
4341176.12	111.88658	(10021518)		
671991.66	4341196.23	139.98511	(10031019)	672022.14
4341231.59	108.14438	(12091119)		
671992.27	4341177.95	111.45444	(10031019)	671540.60
4341238.29	56.30250	(13011817)		
671575.34	4341177.95	49.20681	(13011817)	671454.65
4341196.23	46.70587	(09012719)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1048

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP12 ***
 INCLUDING SOURCE(S): L0001020 , L0001021
 , L0001022 , L0001023 , L0001024 ,
 L0001025 , L0001026 , L0001027 , L0001028 , L0001029
 , L0001030 , L0001031 , L0001032 ,
 L0001033 , L0001034 , L0001035 , L0001036 , L0001037
 , L0001038 , L0001039 , L0001040 ,
 L0001041 , L0001042 , L0001043 , L0001044 , L0001045
 , L0001046 , L0001047 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

- - - - -	671523.53	4341116.38	41.58821	(12110317)	671413.20
4341126.74	42.45354	(09011917)			
671471.11	4341064.57	36.07717	(13111518)	671601.55	
4341050.55	63.07254	(11033119)			
671198.64	4341253.53	39.74723	(10102519)	671278.49	
4341212.08	42.52390	(11122708)			
671230.34	4341132.84	35.90565	(11092719)	671073.08	
4341271.82	33.12775	(12050719)			
671122.45	4341373.61	43.53500	(12050719)	671118.79	
4341397.38	44.38337	(12050719)			
670978.40	4341324.15	30.42409	(11092219)	670932.85	
4341394.21	39.63837	(09011017)			
670935.19	4341367.36	37.39553	(09011017)	671108.01	
4340976.17	33.10072	(09102018)			
671286.67	4340978.51	32.74539	(11122708)	671675.37	
4342488.78	34.02496	(10021018)			
671091.40	4342277.23	294.81308	(10121308)	671051.75	
4342332.07	232.29641	(10110618)			
671051.75	4342369.20	247.80132	(09010719)	670953.04	
4342360.76	255.69857	(09120808)			
670695.71	4342235.89	79.48668	(12121508)	670545.53	
4342318.58	56.83528	(12121508)			
670711.74	4342488.16	189.16493	(13121208)	670648.30	
4342501.73	159.09052	(13121208)			
670648.30	4342630.87	83.50449	(12121219)	670806.29	
4342728.41	112.32455	(10110618)			
670688.15	4342739.41	71.37603	(09020308)	670804.92	
4342427.55	200.66472	(13020619)			
670439.48	4342471.51	43.73017	(13123008)	670358.43	
4342578.67	35.51539	(12010518)			
670546.64	4342662.47	137.50338	(11100319)	670537.03	
4342595.15	137.00096	(13121208)			
670483.45	4342776.50	121.95246	(12121219)	670508.17	
4342754.52	122.35810	(12121219)			
670517.79	4342868.54	119.53071	(09120808)	670545.27	
4342850.69	108.93421	(09120808)			
670582.36	4342878.16	116.99431	(09122608)	670304.85	
4342688.57	100.90827	(13123019)			
670039.70	4342661.10	26.60598	(13123008)	670156.48	
4342673.46	28.43311	(13123008)			
670236.16	4342648.73	30.21999	(12010518)	670071.30	
4342738.03	25.52218	(13123008)			
669990.24	4342753.14	24.50270	(13123008)	669928.42	
4342742.15	23.94798	(13123008)			
669815.77	4342673.46	22.65638	(12121508)	669742.96	
4342655.60	21.76563	(14010208)			
669791.04	4342744.90	22.28683	(13123008)	669696.25	
4342731.16	21.05074	(12121508)			
669536.88	4342552.57	17.20686	(10120618)	671174.86	

4342280.21	304.18973	(10021819)		
671068.38	4342169.93	453.97089	(13020619)	670965.71
4342179.44	264.76711	(13121208)		
670815.50	4342198.45	102.90104	(12121508)	670737.55
4342097.68	79.88613	(12020919)		
670762.27	4342069.16	83.15631	(12020919)	670817.40
4342040.64	93.79579	(12121918)		
670895.36	4342025.43	114.42949	(12020919)	670979.02
4341915.15	137.62598	(11122419)		
671115.92	4341863.81	228.77647	(10010608)	671199.58
4341770.65	301.39359	(12011319)		
671222.39	4341377.07	66.61373	(10102519)	671714.84
4341392.28	209.00709	(11010418)		
671366.89	4341998.81	233.28882	(13100219)	671226.19
4342236.48	276.96116	(12091419)		
669098.44	4343411.59	10.06626	(11122608)	668908.63
4343364.56	10.06487	(13123008)		
668851.52	4343359.52	9.97026	(13123008)	668831.37
4343371.27	9.85316	(13123008)		
668733.94	4343302.41	9.84252	(12121508)	668686.91
4343199.95	9.98965	(14010208)		
668671.79	4343089.09	10.06069	(14010208)	668806.17
4343001.74	10.67524	(14010208)		
668918.71	4343025.26	11.60795	(14010208)	669024.53
4342942.95	12.35568	(14010208)		
669288.24	4342916.08	14.66136	(14010208)	669333.59
4342922.80	15.00529	(12121508)		
669365.51	4342978.23	14.96872	(13123008)	669336.95
4343151.23	13.12644	(13123008)		
669303.36	4343304.09	11.85486	(12010518)	669222.73
4343235.22	11.90729	(13123008)		

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1049

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP12 ***
 INCLUDING SOURCE(S): L0001020 , L0001021
 , L0001022 , L0001023 , L0001024 ,
 L0001025 , L0001026 , L0001027 , L0001028 , L0001029
 , L0001030 , L0001031 , L0001032 ,
 L0001033 , L0001034 , L0001035 , L0001036 , L0001037
 , L0001038 , L0001039 , L0001040 ,
 L0001041 , L0001042 , L0001043 , L0001044 , L0001045
 , L0001046 , L0001047 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
669135.39	4343305.77	10.84711	(13123008)	

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1050

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP13 ***
 INCLUDING SOURCE(S): L0000851 , L0000852
 , L0000853 , L0000854 , L0000855 ,
 L0000856 , L0000857 , L0000858 , L0000859 , L0000860
 , L0000861 , L0000862 , L0000863 ,
 L0000864 , L0000865 , L0000866 , L0000867 , L0000868
 , L0000869 , L0000870 , L0000871 ,
 L0000872 , L0000873 , L0000874 , L0000875 , L0000876
 , L0000877 , L0000878 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4340781.04	4.60103	(13012822)	668370.10
4340781.04	3.97776	(13012822)		
668591.41	4340781.04	3.66973	(09030621)	668812.72
4340781.04	4.01134	(13122018)		
669034.03	4340781.04	3.64122	(10022222)	669255.34
4340781.04	3.45347	(10022222)		
669476.65	4340781.04	3.67436	(11122708)	669697.96
4340781.04	3.48977	(13010320)		
669919.27	4340781.04	4.42609	(13122018)	670140.58

4340781.04	5.58020	(12122707)		
670361.89	4340781.04	7.55617	(13021307)	670583.20
4340781.04	7.57353	(13010818)		
670804.51	4340781.04	8.20255	(13022820)	671025.82
4340781.04	7.85732	(13011907)		
671247.13	4340781.04	7.27215	(12062621)	671468.44
4340781.04	9.77498	(11120720)		
671689.75	4340781.04	11.97611	(12051420)	671911.06
4340781.04	12.21768	(13052221)		
672132.37	4340781.04	8.51746	(12061920)	672353.68
4340781.04	12.56154	(09033019)		
672574.99	4340781.04	9.37165	(10031019)	668148.79
4340946.00	4.25830	(13011308)		
668370.10	4340946.00	4.67296	(13010818)	668591.41
4340946.00	4.52321	(10022721)		
668812.72	4340946.00	4.64148	(10022222)	669034.03
4340946.00	3.66521	(13122018)		
669255.34	4340946.00	3.68226	(13010319)	669476.65
4340946.00	3.90600	(11122708)		
669697.96	4340946.00	4.49800	(13020607)	669919.27
4340946.00	4.76496	(09120120)		
670140.58	4340946.00	4.71249	(13010319)	670361.89
4340946.00	6.80577	(09010818)		
670583.20	4340946.00	9.04097	(13012822)	670804.51
4340946.00	8.84280	(13122018)		
671025.82	4340946.00	7.73194	(13011907)	671247.13
4340946.00	6.68781	(09102121)		
671468.44	4340946.00	8.13773	(12051020)	671689.75
4340946.00	14.31984	(10020121)		
671911.06	4340946.00	14.58437	(13042120)	672132.37
4340946.00	7.37912	(13092719)		
672353.68	4340946.00	12.09274	(11010418)	672574.99
4340946.00	9.52277	(13120120)		
668148.79	4341110.96	4.49532	(13010818)	668370.10
4341110.96	4.72391	(13020607)		
668591.41	4341110.96	4.80222	(10022721)	668812.72
4341110.96	4.70325	(13122018)		
669034.03	4341110.96	4.15792	(10022222)	669255.34
4341110.96	4.49521	(13011907)		
669476.65	4341110.96	4.01118	(13011907)	669697.96
4341110.96	4.74172	(10022721)		
669919.27	4341110.96	4.83601	(10022222)	670140.58
4341110.96	5.92568	(09021007)		
670361.89	4341110.96	8.44278	(12122707)	670583.20
4341110.96	8.57881	(09040420)		
670804.51	4341110.96	6.95554	(13020607)	671025.82
4341110.96	5.93036	(13121118)		
671247.13	4341110.96	8.10635	(09102318)	671468.44
4341110.96	9.12822	(11033119)		
671689.75	4341110.96	15.38035	(13052221)	671911.06

4341110.96	16.32670	(13011419)			
672132.37	4341110.96	7.89766	(12051820)		672353.68
4341110.96	8.47965	(12092719)			
672574.99	4341110.96	10.09890	(11051920)		668148.79
4341275.92	5.02210	(13012822)			
668370.10	4341275.92	5.25219	(13010818)		668591.41
4341275.92	4.91178	(13010818)			
668812.72	4341275.92	3.95397	(09030621)		669034.03
4341275.92	4.33294	(12122707)			
669255.34	4341275.92	4.04889	(13122018)		669476.65
4341275.92	4.17403	(12021719)			
669697.96	4341275.92	4.09743	(11122708)		669919.27
4341275.92	4.80226	(13020607)			
670140.58	4341275.92	7.95794	(09120721)		670361.89
4341275.92	8.50107	(11120617)			
670583.20	4341275.92	6.87736	(13012808)		670804.51
4341275.92	6.62450	(09102319)			
671025.82	4341275.92	5.97501	(13022822)		671247.13
4341275.92	11.38127	(12081721)			
671468.44	4341275.92	16.62813	(10090519)		671689.75
4341275.92	15.41382	(13011419)			

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1051

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP13 ***
 INCLUDING SOURCE(S): L0000851 , L0000852
 , L0000853 , L0000854 , L0000855 ,
 L0000856 , L0000857 , L0000858 , L0000859 , L0000860
 , L0000861 , L0000862 , L0000863 ,
 L0000864 , L0000865 , L0000866 , L0000867 , L0000868
 , L0000869 , L0000870 , L0000871 ,
 L0000872 , L0000873 , L0000874 , L0000875 , L0000876
 , L0000877 , L0000878 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

671911.06	4341275.92	15.94285	(11010418)	672132.37
4341275.92	9.41512 (12050420)			
672353.68	4341275.92	6.20004	(13120120)	672574.99
4341275.92	10.10670 (09042621)			
668148.79	4341440.88	5.23492	(11012619)	668370.10
4341440.88	5.41049 (11012619)			
668591.41	4341440.88	5.17886	(13012822)	668812.72
4341440.88	3.88488 (11012619)			
669034.03	4341440.88	4.39784	(12122707)	669255.34
4341440.88	4.20646 (13122018)			
669476.65	4341440.88	4.36946	(13022822)	669697.96
4341440.88	5.06350 (13010818)			
669919.27	4341440.88	6.31095	(13122720)	670140.58
4341440.88	7.88944 (10123022)			
670361.89	4341440.88	8.11904	(13122318)	670583.20
4341440.88	6.65691 (12122707)			
670804.51	4341440.88	9.33298	(13012822)	671025.82
4341440.88	7.84016 (09071621)			
671689.75	4341440.88	9.44055	(11010418)	671911.06
4341440.88	15.88256 (10031019)			
672132.37	4341440.88	10.79546	(13120120)	672353.68
4341440.88	11.25804 (11051920)			
672574.99	4341440.88	6.94811	(13052920)	668148.79
4341605.84	5.55902 (12122707)			
668370.10	4341605.84	5.17401	(09010818)	668591.41
4341605.84	4.55533 (13021307)			
668812.72	4341605.84	4.14572	(11012619)	669034.03
4341605.84	4.29994 (13010818)			
669255.34	4341605.84	4.49144	(13121008)	669476.65
4341605.84	4.78671 (10022222)			
669697.96	4341605.84	5.57588	(13012822)	669919.27
4341605.84	7.90887 (11121118)			
670140.58	4341605.84	8.40559	(12011608)	670361.89
4341605.84	7.50839 (13021721)			
670583.20	4341605.84	7.67398	(13122918)	670804.51
4341605.84	13.97287 (13021307)			
671025.82	4341605.84	14.00502	(11012707)	671689.75
4341605.84	10.17193 (11010418)			
671911.06	4341605.84	13.45939	(13120120)	672132.37
4341605.84	16.12387 (11051920)			
672353.68	4341605.84	12.97265	(13052920)	672574.99
4341605.84	6.63054 (10091119)			
668148.79	4341770.80	5.91851	(09010818)	668370.10
4341770.80	5.13477 (12122707)			
668591.41	4341770.80	5.81654	(13021307)	668812.72
4341770.80	5.13958 (13012822)			
669034.03	4341770.80	4.62652	(13012822)	669255.34
4341770.80	5.19508 (12020121)			
669476.65	4341770.80	5.58851	(12122707)	669697.96
4341770.80	5.90785 (10021319)			

669919.27	4341770.80	8.08861	(10123020)	670140.58
4341770.80	8.10332	(09120107)		
670361.89	4341770.80	6.28700	(11020619)	670583.20
4341770.80	10.72661	(09120217)		
670804.51	4341770.80	15.61927	(11120617)	671025.82
4341770.80	17.17135	(13020607)		
671689.75	4341770.80	17.33210	(13120120)	671911.06
4341770.80	13.05420	(11051920)		
672132.37	4341770.80	11.56656	(13052920)	672353.68
4341770.80	6.83548	(10091119)		
672574.99	4341770.80	8.01621	(09111517)	668148.79
4341935.76	6.31051	(13020607)		
668370.10	4341935.76	6.52004	(13021307)	668591.41
4341935.76	6.37371	(13012808)		
668812.72	4341935.76	4.80106	(13021307)	669034.03
4341935.76	5.04958	(13021307)		
669255.34	4341935.76	5.59734	(09021007)	669476.65
4341935.76	5.21704	(11120619)		
669697.96	4341935.76	6.76222	(09121708)	669919.27
4341935.76	5.60984	(09020207)		
670140.58	4341935.76	5.75829	(13032321)	670361.89
4341935.76	7.08913	(09122317)		
670583.20	4341935.76	14.78154	(09120107)	670804.51
4341935.76	8.64365	(12011319)		
671468.44	4341935.76	29.97992	(11010418)	671689.75
4341935.76	22.95031	(11051920)		
671911.06	4341935.76	15.90614	(13052920)	672132.37
4341935.76	9.07122	(10091119)		
672353.68	4341935.76	5.47359	(12101607)	672574.99
4341935.76	9.55424	(13080821)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1052

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP13 ***
 INCLUDING SOURCE(S): L0000851 , L0000852
 , L0000853 , L0000854 , L0000855 ,
 L0000856 , L0000857 , L0000858 , L0000859 , L0000860
 , L0000861 , L0000862 , L0000863 ,
 L0000864 , L0000865 , L0000866 , L0000867 , L0000868
 , L0000869 , L0000870 , L0000871 ,
 L0000872 , L0000873 , L0000874 , L0000875 , L0000876
 , L0000877 , L0000878 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4342100.72	6.62601	(09013022)	668370.10
4342100.72	7.16787 (11120617)			
668591.41	4342100.72	5.30888	(12020121)	668812.72
4342100.72	5.04573 (12122707)			
669034.03	4342100.72	5.83819	(12122707)	669255.34
4342100.72	6.07446 (09120721)			
669476.65	4342100.72	5.07457	(09120721)	669697.96
4342100.72	6.95904 (09020319)			
669919.27	4342100.72	8.24038	(12013107)	670140.58
4342100.72	7.28974 (13031507)			
670361.89	4342100.72	10.19683	(12013107)	670583.20
4342100.72	8.21418 (11010418)			
671468.44	4342100.72	20.91086	(13120120)	671689.75
4342100.72	16.62513 (13052920)			
671911.06	4342100.72	13.96597	(09111517)	672132.37
4342100.72	11.63235 (09111517)			
672353.68	4342100.72	6.76489	(12041421)	672574.99
4342100.72	9.95438 (12041421)			
668148.79	4342265.68	7.46373	(10121518)	668370.10
4342265.68	7.83920 (09021007)			
668591.41	4342265.68	7.52568	(13021307)	668812.72
4342265.68	8.04158 (11012619)			
669034.03	4342265.68	7.49221	(10022721)	669255.34
4342265.68	5.75705 (10022721)			
669476.65	4342265.68	6.26309	(13122018)	669697.96
4342265.68	7.21017 (11120617)			
669919.27	4342265.68	7.87659	(13021307)	670140.58
4342265.68	8.27339 (13010818)			
670361.89	4342265.68	8.47356	(13011419)	670583.20
4342265.68	9.52126 (10031019)			
670804.51	4342265.68	12.95806	(12121507)	671025.82
4342265.68	32.33225 (10081022)			
671247.13	4342265.68	43.52170	(13120120)	671468.44
4342265.68	19.20279 (09042621)			
671689.75	4342265.68	14.85120	(10091119)	671911.06
4342265.68	14.04563 (13080821)			
672132.37	4342265.68	11.96016	(12041421)	672353.68
4342265.68	10.59194 (12070821)			
672574.99	4342265.68	10.08545	(11121817)	668148.79
4342430.64	4.48311 (12011319)			
668370.10	4342430.64	8.41515	(12122707)	668591.41

4342430.64	7.11375	(09012719)		
668812.72	4342430.64	7.19362	(11120721)	669034.03
4342430.64	7.88152	(12121322)		
669255.34	4342430.64	9.18247	(09012719)	669476.65
4342430.64	8.48537	(11033119)		
669697.96	4342430.64	8.50162	(12121322)	669919.27
4342430.64	8.29311	(11120721)		
670140.58	4342430.64	8.94145	(13011419)	670361.89
4342430.64	9.60675	(12050420)		
670583.20	4342430.64	13.96550	(09012719)	670804.51
4342430.64	20.10021	(12121322)		
671025.82	4342430.64	47.54802	(11010418)	671247.13
4342430.64	22.21667	(09042621)		
671468.44	4342430.64	14.33582	(09111517)	671689.75
4342430.64	12.50671	(12041421)		
671911.06	4342430.64	11.15117	(12070821)	672132.37
4342430.64	11.24109	(13080820)		
672353.68	4342430.64	11.81890	(11121817)	672574.99
4342430.64	7.76593	(12081720)		
668148.79	4342595.60	5.40719	(12011319)	668370.10
4342595.60	5.52495	(12011319)		
668591.41	4342595.60	5.42331	(12011319)	668812.72
4342595.60	8.43453	(10020121)		
669034.03	4342595.60	9.18229	(13011419)	669255.34
4342595.60	11.32170	(09012719)		
669476.65	4342595.60	11.30465	(12121322)	669697.96
4342595.60	9.86396	(13092719)		
669919.27	4342595.60	12.81003	(13120120)	670140.58
4342595.60	10.38158	(09033019)		
670361.89	4342595.60	13.47334	(12010620)	670583.20
4342595.60	13.20101	(10013121)		
670804.51	4342595.60	23.52966	(13120522)	671025.82
4342595.60	45.19852	(12010922)		
671247.13	4342595.60	24.91843	(11021121)	671468.44
4342595.60	9.01779	(09092922)		
671689.75	4342595.60	6.29477	(09050719)	671911.06
4342595.60	6.22528	(09050719)		
672132.37	4342595.60	8.81606	(12081720)	672353.68
4342595.60	12.30914	(12081720)		

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1053

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP13 ***
 INCLUDING SOURCE(S): L0000851 , L0000852

, L0000853	, L0000854	, L0000855	,			
	L0000856	, L0000857	, L0000858	, L0000859	, L0000860	
, L0000861	, L0000862	, L0000863	,			
	L0000864	, L0000865	, L0000866	, L0000867	, L0000868	
, L0000869	, L0000870	, L0000871	,			
	L0000872	, L0000873	, L0000874	, L0000875	, L0000876	
, L0000877	, L0000878	, . . .	,			

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672574.99	4342595.60	10.47385	(09090320)	668148.79
4342760.56	10.08854 (13022519)			
668370.10	4342760.56	10.91041	(09120120)	668591.41
4342760.56	9.79096 (09030720)			
668812.72	4342760.56	11.07172	(13010818)	669034.03
4342760.56	11.73078 (13020607)			
669255.34	4342760.56	11.34775	(12021719)	669476.65
4342760.56	17.11243 (12121322)			
669697.96	4342760.56	9.57369	(13010319)	669919.27
4342760.56	10.41609 (12020122)			
670140.58	4342760.56	10.19795	(13122720)	670361.89
4342760.56	11.76661 (11021921)			
670583.20	4342760.56	13.98750	(13020422)	670804.51
4342760.56	44.00763 (10011020)			
671025.82	4342760.56	30.10568	(12041421)	671247.13
4342760.56	9.97990 (09050719)			
671468.44	4342760.56	6.96650	(13051019)	671689.75
4342760.56	5.75722 (13120717)			
671911.06	4342760.56	4.86135	(09012017)	672132.37
4342760.56	5.83653 (09012017)			
672353.68	4342760.56	11.00215	(09090320)	672574.99
4342760.56	11.05382 (09092920)			
668148.79	4342925.52	12.30792	(12011319)	668370.10
4342925.52	13.17179 (13120507)			
668591.41	4342925.52	10.51908	(13121107)	668812.72
4342925.52	12.56979 (12122707)			
669034.03	4342925.52	14.07276	(13020607)	669476.65
4342925.52	16.36954 (12051820)			
669697.96	4342925.52	12.60101	(10121507)	669919.27
4342925.52	10.25247 (09021920)			
670140.58	4342925.52	12.26574	(09020319)	670361.89
4342925.52	16.36764 (12020622)			

670583.20	4342925.52	35.48717	(13092719)	670804.51
4342925.52	45.13073 (12111121)			
671025.82	4342925.52	7.49519	(13051019)	671247.13
4342925.52	7.30647 (09012017)			
671468.44	4342925.52	5.55620	(09012017)	671689.75
4342925.52	4.81115 (13021920)			
671911.06	4342925.52	4.10960	(13050720)	672132.37
4342925.52	3.58048 (12080719)			
672353.68	4342925.52	5.89971	(11092618)	672574.99
4342925.52	8.90070 (13032919)			
668148.79	4343090.48	11.59203	(12011319)	668370.10
4343090.48	12.30065 (10123020)			
668591.41	4343090.48	14.05718	(10121519)	669476.65
4343090.48	29.39414 (13052920)			
669697.96	4343090.48	19.52118	(12121322)	669919.27
4343090.48	18.11111 (09042621)			
670140.58	4343090.48	16.16890	(12121507)	670361.89
4343090.48	39.47248 (09042621)			
670583.20	4343090.48	35.48124	(09090320)	670804.51
4343090.48	26.01326 (09090320)			
671025.82	4343090.48	6.62420	(11092618)	671247.13
4343090.48	6.09246 (11092618)			
671468.44	4343090.48	4.54546	(11092618)	671689.75
4343090.48	3.98078 (10111922)			
671911.06	4343090.48	3.60461	(10111922)	672132.37
4343090.48	3.32895 (10111922)			
672353.68	4343090.48	2.95786	(10111922)	672574.99
4343090.48	3.63482 (10093018)			
668148.79	4343255.44	24.34335	(10022221)	668370.10
4343255.44	23.69930 (10123020)			
668591.41	4343255.44	18.47431	(13012822)	669476.65
4343255.44	22.77756 (09090320)			
669697.96	4343255.44	54.92808	(09111517)	669919.27
4343255.44	57.77744 (13122317)			
670140.58	4343255.44	56.87683	(12013019)	670361.89
4343255.44	38.43699 (12013019)			
670583.20	4343255.44	26.71364	(12013019)	670804.51
4343255.44	27.44261 (13122719)			
671025.82	4343255.44	5.45843	(13050522)	671247.13
4343255.44	4.74102 (13092218)			
671468.44	4343255.44	4.15787	(13092218)	671689.75
4343255.44	3.44323 (13012708)			
671911.06	4343255.44	3.04795	(13012708)	672132.37
4343255.44	2.89107 (13012708)			
672353.68	4343255.44	2.72378	(13012708)	672574.99
4343255.44	2.42518 (13012708)			
668148.79	4343420.40	35.23547	(10013107)	668370.10
4343420.40	46.86145 (09021921)			

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 *** 10/04/21

*** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1054

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP13 ***
 INCLUDING SOURCE(S): L0000851 , L0000852
 , L0000853 , L0000854 , L0000855 ,
 L0000856 , L0000857 , L0000858 , L0000859 , L0000860
 , L0000861 , L0000862 , L0000863 ,
 L0000864 , L0000865 , L0000866 , L0000867 , L0000868
 , L0000869 , L0000870 , L0000871 ,
 L0000872 , L0000873 , L0000874 , L0000875 , L0000876
 , L0000877 , L0000878 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668591.41	4343420.40	59.48233	(12121918)	668812.72
4343420.40	66.86902	(12071720)		
669034.03	4343420.40	55.80929	(13020407)	669255.34
4343420.40	45.08961	(13020407)		
669476.65	4343420.40	53.00758	(13020407)	669697.96
4343420.40	22.59897	(13121220)		
669919.27	4343420.40	27.50225	(13031621)	670140.58
4343420.40	30.54218	(13020407)		
670361.89	4343420.40	25.54915	(13020407)	670583.20
4343420.40	21.35101	(13020407)		
670804.51	4343420.40	18.15572	(12071720)	671025.82
4343420.40	14.61157	(13010421)		
671247.13	4343420.40	6.47496	(12021921)	671468.44
4343420.40	3.21639	(10102517)		
671689.75	4343420.40	2.82625	(10102517)	671911.06
4343420.40	2.49166	(10102517)		
672132.37	4343420.40	2.26944	(10102517)	672353.68
4343420.40	2.10137	(10102517)		
672574.99	4343420.40	1.93434	(10102517)	668148.79
4343585.36	22.90906	(09022722)		
668370.10	4343585.36	23.75324	(13020107)	668591.41
4343585.36	18.84161	(13021807)		
668812.72	4343585.36	26.38546	(12010518)	669034.03

4343585.36	21.72652	(12111121)		
669255.34	4343585.36	16.43151	(13010421)	669476.65
4343585.36	19.95622	(11092521)		
669697.96	4343585.36	27.40333	(13031621)	669919.27
4343585.36	22.92728	(11072320)		
670140.58	4343585.36	19.15857	(11072320)	670361.89
4343585.36	18.16496	(11072320)		
670583.20	4343585.36	15.41582	(11072320)	670804.51
4343585.36	12.53978	(11072320)		
671025.82	4343585.36	12.59354	(13031621)	671247.13
4343585.36	6.77808	(13071620)		
671468.44	4343585.36	3.46092	(11121121)	671689.75
4343585.36	2.71527	(13021919)		
671911.06	4343585.36	2.28495	(11091818)	672132.37
4343585.36	2.13360	(11091818)		
672353.68	4343585.36	1.95962	(11091818)	672574.99
4343585.36	1.84970	(11091818)		
668148.79	4343750.32	18.52740	(10011007)	668370.10
4343750.32	14.72271	(13123007)		
668591.41	4343750.32	15.74631	(13020121)	668812.72
4343750.32	18.34710	(09120808)		
669034.03	4343750.32	14.02569	(13123019)	669255.34
4343750.32	12.43370	(09122608)		
669476.65	4343750.32	14.46038	(11021121)	669697.96
4343750.32	14.04440	(12011618)		
669919.27	4343750.32	16.40714	(12011618)	670140.58
4343750.32	15.11313	(13052320)		
670361.89	4343750.32	12.57202	(12011618)	670583.20
4343750.32	12.90957	(13052320)		
670804.51	4343750.32	11.96779	(09010407)	671025.82
4343750.32	10.22642	(09010407)		
671247.13	4343750.32	7.69744	(12011618)	671468.44
4343750.32	7.04247	(13052320)		
671689.75	4343750.32	6.20372	(13052320)	671911.06
4343750.32	5.35576	(13121422)		
672132.37	4343750.32	2.22925	(13021919)	672353.68
4343750.32	1.90679	(13021919)		
672574.99	4343750.32	1.85690	(13021919)	668148.79
4343915.28	14.89552	(12020622)		
668370.10	4343915.28	12.52560	(09120807)	668591.41
4343915.28	11.05905	(12020622)		
668812.72	4343915.28	11.25614	(13021622)	669034.03
4343915.28	11.05528	(13022220)		
669255.34	4343915.28	9.72375	(09122607)	669476.65
4343915.28	8.91058	(11012908)		
669697.96	4343915.28	12.61373	(11092319)	669919.27
4343915.28	11.13449	(13041019)		
670140.58	4343915.28	12.60565	(11071520)	670361.89
4343915.28	12.12650	(11121722)		
670583.20	4343915.28	8.71615	(11121722)	670804.51

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4343915.28      8.30310  (12011618)
        671025.82  4343915.28      7.19350  (12011618)      671247.13
4343915.28      8.10202  (13052320)
        671468.44  4343915.28      5.60749  (13041019)      671689.75
4343915.28      7.17108  (11021121)
        671911.06  4343915.28      4.53567  (13100219)      672132.37
4343915.28      3.84452  (10102018)
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
      *** 10/04/21
*** AERMET - VERSION 14134 *** ***
      *** 13:59:48

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PAGE 1055

*** MODELOPTs: RegDFault CONC ELEV RURAL

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      *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP13 ***
      INCLUDING SOURCE(S): L0000851 , L0000852
, L0000853 , L0000854 , L0000855 ,
      L0000856 , L0000857 , L0000858 , L0000859 , L0000860
, L0000861 , L0000862 , L0000863 ,
      L0000864 , L0000865 , L0000866 , L0000867 , L0000868
, L0000869 , L0000870 , L0000871 ,
      L0000872 , L0000873 , L0000874 , L0000875 , L0000876
, L0000877 , L0000878 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672353.68	4343915.28	2.65096	(11092521)	672574.99
4343915.28	1.91234 (12032519)			
668148.79	4344080.24	13.07553	(13123019)	668370.10
4344080.24	12.11487 (13121208)			
668591.41	4344080.24	9.47551	(13021622)	668812.72
4344080.24	9.69446 (13120521)			
669034.03	4344080.24	8.92328	(09120808)	669255.34
4344080.24	7.92901 (10121220)			
669476.65	4344080.24	8.12978	(11022720)	669697.96
4344080.24	10.13862 (13100219)			
669919.27	4344080.24	10.71454	(11092521)	670140.58
4344080.24	6.79276 (11092319)			
670361.89	4344080.24	10.12663	(11071520)	670583.20
4344080.24	9.33369 (11022219)			

670804.51	4344080.24	6.76487	(13042320)	671025.82
4344080.24	5.49040 (13121422)			
671247.13	4344080.24	5.35684	(11121722)	671468.44
4344080.24	6.54125 (11121722)			
671689.75	4344080.24	5.17256	(09080521)	671911.06
4344080.24	2.03564 (13082220)			
672132.37	4344080.24	1.52017	(09030918)	672353.68
4344080.24	1.55293 (09030918)			
672574.99	4344080.24	1.48481	(12032519)	671464.71
4342094.27	22.37049 (13120120)			
671482.23	4342063.91	24.95162	(13120120)	671498.58
4342030.05	26.40896 (13120120)			
671513.75	4341991.52	28.21802	(10031019)	671541.78
4341964.66	27.85413 (10031019)			
671575.64	4341974.00	24.69226	(13120120)	671460.75
4342162.97	17.32763 (11092622)			
671451.00	4342187.35	17.15564	(11092622)	671510.73
4342219.66	16.86095 (09042621)			
671524.14	4342192.84	15.29476	(09042621)	671522.92
4342250.74	17.14982 (13052920)			
671599.11	4342252.57	15.27236	(10091119)	671627.76
4342256.84	15.54146 (10091119)			
671583.88	4342116.03	12.93072	(11051920)	671595.46
4342071.54	13.55196 (11051920)			
671663.12	4342056.30	16.56803	(09042621)	671600.94
4342030.09	16.95951 (11092622)			
671526.58	4342155.65	14.50637	(11051920)	671628.98
4342292.19	15.62392 (10091119)			
671641.78	4341980.71	21.66308	(11092622)	671666.77
4342018.51	19.29631 (11051920)			
671407.11	4342219.66	20.34881	(11092622)	671415.64
4342183.08	21.14370 (11092622)			
671635.08	4341706.42	16.43444	(13120120)	671693.59
4341710.08	14.93515 (13120120)			
671719.80	4341736.29	14.11254	(13120120)	671673.48
4341630.23	11.63730 (11010418)			
671888.04	4341936.22	15.05736	(13052920)	671977.64
4341952.07	15.19628 (10091119)			
672039.21	4341894.77	13.51621	(13052220)	671858.17
4341753.96	11.50925 (11051920)			
671922.78	4341634.49	12.98407	(13120120)	671613.74
4341791.15	19.57693 (10022220)			
671853.29	4341730.80	11.48994	(11051920)	671783.81
4341585.73	10.44559 (13120120)			
671783.20	4341546.72	10.37632	(10022220)	671769.18
4341461.38	10.28682 (11010418)			
671800.87	4341420.54	11.42197	(11010418)	671880.11
4341427.25	15.04509 (12050420)			
672012.39	4341504.66	15.29001	(13120120)	672084.31
4341547.94	15.82347 (11092622)			

671915.47	4341478.45	15.78503	(10031019)	671903.28
4341564.40	14.26758 (13120120)			
671863.05	4341522.34	13.00596	(13120120)	671830.13
4341336.43	12.35154 (11010418)			
671835.62	4341287.66	11.82892	(11010418)	671825.87
4341275.47	11.48344 (11010418)			
672136.73	4341370.56	8.86584	(13100619)	671920.34
4341307.17	17.49134 (11010418)			
671695.42	4341257.19	15.13328	(13011419)	671682.01
4341176.12	16.59062 (11123117)			
671991.66	4341196.23	16.18742	(09033019)	672022.14
4341231.59	16.81896 (11010418)			
671992.27	4341177.95	15.68484	(09033019)	671540.60
4341238.29	14.19757 (11120721)			
671575.34	4341177.95	11.71868	(11120721)	671454.65
4341196.23	12.26800 (11033119)			

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1056

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP13 ***
 INCLUDING SOURCE(S): L0000851 , L0000852
 , L0000853 , L0000854 , L0000855 ,
 L0000856 , L0000857 , L0000858 , L0000859 , L0000860
 , L0000861 , L0000862 , L0000863 ,
 L0000864 , L0000865 , L0000866 , L0000867 , L0000868
 , L0000869 , L0000870 , L0000871 ,
 L0000872 , L0000873 , L0000874 , L0000875 , L0000876
 , L0000877 , L0000878 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
671523.53	4341116.38	9.46026	(13080221)	671413.20
4341126.74	10.53364 (12051020)			
671471.11	4341064.57	8.87069	(12020122)	671601.55
4341050.55	14.04853 (12051420)			
671198.64	4341253.53	7.94745	(12062621)	671278.49

4341212.08	10.44180	(09030720)		
671230.34	4341132.84	7.52405	(09102121)	671073.08
4341271.82	5.98607	(13011907)		
671122.45	4341373.61	8.62059	(13011918)	671118.79
4341397.38	9.35720	(13011918)		
670978.40	4341324.15	6.34333	(10091220)	670932.85
4341394.21	7.53444	(13120119)		
670935.19	4341367.36	7.25536	(13120119)	671108.01
4340976.17	6.66147	(13011918)		
671286.67	4340978.51	7.10529	(12081721)	671675.37
4342488.78	9.18808	(09092922)		
671091.40	4342277.23	43.62990	(10101520)	671051.75
4342332.07	40.00204	(09012719)		
671051.75	4342369.20	50.62790	(12020122)	670953.04
4342360.76	26.56672	(09120808)		
670695.71	4342235.89	12.38199	(11120721)	670545.53
4342318.58	9.73491	(12050420)		
670711.74	4342488.16	18.20683	(13123019)	670648.30
4342501.73	15.03930	(09120807)		
670648.30	4342630.87	9.57348	(13010422)	670806.29
4342728.41	34.37001	(13022220)		
670688.15	4342739.41	10.24480	(12121220)	670804.92
4342427.55	20.20568	(12121322)		
670439.48	4342471.51	10.35759	(12050420)	670358.43
4342578.67	12.69733	(12010620)		
670546.64	4342662.47	15.55789	(10021907)	670537.03
4342595.15	13.92476	(12121918)		
670483.45	4342776.50	16.78115	(13120522)	670508.17
4342754.52	16.24046	(13120522)		
670517.79	4342868.54	20.88338	(09120807)	670545.27
4342850.69	18.17260	(09120807)		
670582.36	4342878.16	24.03066	(12021920)	670304.85
4342688.57	11.25453	(13021307)		
670039.70	4342661.10	10.93280	(13011419)	670156.48
4342673.46	10.30209	(12121322)		
670236.16	4342648.73	12.50829	(13020607)	670071.30
4342738.03	11.97112	(10121518)		
669990.24	4342753.14	10.23244	(12020122)	669928.42
4342742.15	10.85998	(10020121)		
669815.77	4342673.46	9.73861	(12020122)	669742.96
4342655.60	9.08080	(09030720)		
669791.04	4342744.90	9.47918	(09102121)	669696.25
4342731.16	9.34858	(12021719)		
669536.88	4342552.57	10.87215	(12121322)	671174.86
4342280.21	49.41694	(12062820)		
671068.38	4342169.93	45.93018	(13120522)	670965.71
4342179.44	28.96893	(13120722)		
670815.50	4342198.45	13.00397	(13120722)	670737.55
4342097.68	9.73581	(10123020)		
670762.27	4342069.16	10.11234	(10121507)	670817.40

4342040.64	11.34101	(12011319)		
670895.36	4342025.43	13.01626	(12011319)	670979.02
4341915.15	11.43582	(13010818)		
671115.92	4341863.81	12.17961	(12010620)	671199.58
4341770.65	9.05982	(11120721)		
671222.39	4341377.07	15.51205	(09102318)	671714.84
4341392.28	10.59110	(11010418)		
671366.89	4341998.81	22.45140	(13052920)	671226.19
4342236.48	40.10989	(10022220)		
669098.44	4343411.59	50.86956	(13020407)	668908.63
4343364.56	59.56236	(12013019)		
668851.52	4343359.52	54.47846	(12013019)	668831.37
4343371.27	59.21018	(12013019)		
668733.94	4343302.41	33.44549	(09111517)	668686.91
4343199.95	23.47822	(12011319)		
668671.79	4343089.09	16.83772	(11021921)	668806.17
4343001.74	14.53351	(12122707)		
668918.71	4343025.26	14.49604	(13120419)	669024.53
4342942.95	15.32329	(13020607)		
669288.24	4342916.08	17.30337	(12020122)	669333.59
4342922.80	18.73745	(11120721)		
669365.51	4342978.23	23.49344	(12121322)	669336.95
4343151.23	37.37835	(11051920)		
669303.36	4343304.09	55.57966	(13122317)	669222.73
4343235.22	57.10037	(13120120)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1057

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP13 ***
 INCLUDING SOURCE(S): L0000851 , L0000852
 , L0000853 , L0000854 , L0000855 ,
 L0000856 , L0000857 , L0000858 , L0000859 , L0000860
 , L0000861 , L0000862 , L0000863 ,
 L0000864 , L0000865 , L0000866 , L0000867 , L0000868
 , L0000869 , L0000870 , L0000871 ,
 L0000872 , L0000873 , L0000874 , L0000875 , L0000876
 , L0000877 , L0000878 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
669135.39	4343305.77	49.41035	(12121507)	

*** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1058

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP14 ***
 INCLUDING SOURCE(S): PAREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4340781.04	23.13356	(13020419)	668370.10
4340781.04	25.74854	(10021319)		
668591.41	4340781.04	28.38231	(13010219)	668812.72
4340781.04	31.05478	(11122718)		
669034.03	4340781.04	34.59215	(12010418)	669255.34
4340781.04	38.70886	(09122317)		
669476.65	4340781.04	43.29769	(11121118)	669697.96
4340781.04	48.94670	(10010719)		
669919.27	4340781.04	87.99267	(12011319)	670140.58
4340781.04	78.14207	(12122717)		
670361.89	4340781.04	65.81969	(09120217)	670583.20
4340781.04	45.31162	(12021208)		
670804.51	4340781.04	41.00960	(09111419)	671025.82
4340781.04	33.51971	(14010117)		
671247.13	4340781.04	36.57021	(10082219)	671468.44
4340781.04	44.91709	(09011917)		
671689.75	4340781.04	53.22715	(11033119)	671911.06
4340781.04	51.98700	(11123117)		
672132.37	4340781.04	34.74374	(11111217)	672353.68
4340781.04	53.34487	(12091119)		
672574.99	4340781.04	85.11589	(11100718)	668148.79
4340946.00	22.53631	(09012008)		

668370.10	4340946.00	24.79183	(13020419)	668591.41
4340946.00	28.42699	(13020419)		
668812.72	4340946.00	31.39350	(10021319)	669034.03
4340946.00	35.48789	(13010219)		
669255.34	4340946.00	40.24619	(11122718)	669476.65
4340946.00	45.22688	(12010418)		
669697.96	4340946.00	65.56905	(10112418)	669919.27
4340946.00	87.45091	(11121118)		
670140.58	4340946.00	102.47224	(12011319)	670361.89
4340946.00	81.67453	(12122717)		
670583.20	4340946.00	67.25661	(13010619)	670804.51
4340946.00	46.15334	(10021608)		
671025.82	4340946.00	38.61054	(11111318)	671247.13
4340946.00	37.55135	(11102617)		
671468.44	4340946.00	44.82003	(09011917)	671689.75
4340946.00	65.47133	(13011817)		
671911.06	4340946.00	74.65811	(13011419)	672132.37
4340946.00	27.69970	(10110818)		
672353.68	4340946.00	41.17268	(13090819)	672574.99
4340946.00	96.88418	(10091119)		
668148.79	4341110.96	22.55625	(10010308)	668370.10
4341110.96	25.16175	(10010308)		
668591.41	4341110.96	28.85048	(10010308)	668812.72
4341110.96	32.11033	(09012008)		
669034.03	4341110.96	35.33066	(09012008)	669255.34
4341110.96	40.64094	(13020419)		
669476.65	4341110.96	47.14697	(10021319)	669697.96
4341110.96	76.83199	(13010219)		
669919.27	4341110.96	70.22307	(12010418)	670140.58
4341110.96	92.49744	(10020808)		
670361.89	4341110.96	70.88055	(10010719)	670583.20
4341110.96	46.62976	(09082819)		
670804.51	4341110.96	36.16583	(13111218)	671025.82
4341110.96	35.62520	(13010608)		
671247.13	4341110.96	44.99773	(12050719)	671468.44
4341110.96	51.74699	(09011917)		
671689.75	4341110.96	93.06816	(13092718)	671911.06
4341110.96	86.30700	(09010817)		
672132.37	4341110.96	31.95397	(12081519)	672353.68
4341110.96	31.45381	(09120718)		
672574.99	4341110.96	88.91001	(09100818)	668148.79
4341275.92	23.30054	(11120619)		
668370.10	4341275.92	26.05941	(11120619)	668591.41
4341275.92	29.52587	(11120619)		
668812.72	4341275.92	33.08087	(11120619)	669034.03
4341275.92	36.50773	(10010308)		
669255.34	4341275.92	42.45353	(10010308)	669476.65
4341275.92	48.48436	(09012008)		
669697.96	4341275.92	55.72587	(09012008)	669919.27
4341275.92	102.46429	(13020419)		

670140.58	4341275.92	63.50847	(12013108)	670361.89
4341275.92	52.17848	(09011817)		
670583.20	4341275.92	39.46042	(11022008)	670804.51
4341275.92	37.29613	(10010618)		
671025.82	4341275.92	38.01896	(11021919)	671247.13
4341275.92	51.29050	(12050719)		
671468.44	4341275.92	98.96789	(11032919)	671689.75
4341275.92	143.15968	(11111217)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1059

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP14 ***
 INCLUDING SOURCE(S): PAREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

671911.06	4341275.92	107.26354	(11100718)	672132.37
4341275.92	39.68889	(12011017)		
672353.68	4341275.92	29.80011	(13011917)	672574.99
4341275.92	105.00413	(11121817)		
668148.79	4341440.88	23.75375	(09020319)	668370.10
4341440.88	26.47200	(09020319)		
668591.41	4341440.88	29.50642	(09020319)	668812.72
4341440.88	33.11406	(09020319)		
669034.03	4341440.88	36.65222	(09020319)	669255.34
4341440.88	41.50669	(11120619)		
669476.65	4341440.88	49.21455	(11120619)	669697.96
4341440.88	58.38284	(11120619)		
669919.27	4341440.88	89.45516	(11112619)	670140.58
4341440.88	55.22309	(09121708)		
670361.89	4341440.88	46.01042	(12020808)	670583.20
4341440.88	40.57003	(11123108)		
670804.51	4341440.88	47.30921	(09100419)	671025.82
4341440.88	44.56473	(11022008)		
671689.75	4341440.88	362.79479	(11100718)	671911.06
4341440.88	121.78743	(13042519)		

672132.37	4341440.88	42.01304	(09050719)	672353.68
4341440.88	41.10995	(13120717)		
672574.99	4341440.88	109.63719	(11040519)	668148.79
4341605.84	24.51018	(09123019)		
668370.10	4341605.84	27.22438	(09123019)	668591.41
4341605.84	30.34574	(09123019)		
668812.72	4341605.84	34.04667	(09123019)	669034.03
4341605.84	38.42164	(09123019)		
669255.34	4341605.84	43.83643	(09123019)	669476.65
4341605.84	50.72111	(09123019)		
669697.96	4341605.84	83.18666	(09123019)	669919.27
4341605.84	79.35361	(11112018)		
670140.58	4341605.84	63.63591	(09020208)	670361.89
4341605.84	45.48328	(10021408)		
670583.20	4341605.84	46.56008	(10021408)	670804.51
4341605.84	71.58495	(10021408)		
671025.82	4341605.84	64.03489	(10021408)	671689.75
4341605.84	446.67293	(13122317)		
671911.06	4341605.84	158.41374	(13122317)	672132.37
4341605.84	62.52215	(10093018)		
672353.68	4341605.84	53.61298	(10093018)	672574.99
4341605.84	100.51372	(12013019)		
668148.79	4341770.80	24.10310	(10010608)	668370.10
4341770.80	27.40044	(10010608)		
668591.41	4341770.80	29.93389	(10010608)	668812.72
4341770.80	33.67026	(10010608)		
669034.03	4341770.80	38.24047	(10010608)	669255.34
4341770.80	43.59511	(10010608)		
669476.65	4341770.80	75.55032	(10010608)	669697.96
4341770.80	92.69852	(12011408)		
669919.27	4341770.80	70.54991	(12011408)	670140.58
4341770.80	57.13487	(11103018)		
670361.89	4341770.80	42.82051	(09021908)	670583.20
4341770.80	62.29764	(13020108)		
670804.51	4341770.80	162.40591	(11121308)	671025.82
4341770.80	262.06960	(10112518)		
671689.75	4341770.80	119.87020	(11082019)	671911.06
4341770.80	127.64683	(12090419)		
672132.37	4341770.80	41.94841	(13021919)	672353.68
4341770.80	29.58594	(11051019)		
672574.99	4341770.80	80.33411	(13042019)	668148.79
4341935.76	23.09096	(11122419)		
668370.10	4341935.76	26.21817	(11122419)	668591.41
4341935.76	29.77538	(11122419)		
668812.72	4341935.76	33.47636	(11122419)	669034.03
4341935.76	38.00839	(12010519)		
669255.34	4341935.76	68.90431	(12010519)	669476.65
4341935.76	85.33486	(12010519)		
669697.96	4341935.76	56.46161	(11121308)	669919.27
4341935.76	43.63758	(11121308)		

670140.58	4341935.76	43.81327	(11122619)	670361.89
4341935.76	50.12465	(10112518)		
670583.20	4341935.76	114.93076	(10123118)	670804.51
4341935.76	207.61454	(11122519)		
671468.44	4341935.76	104.17587	(10020119)	671689.75
4341935.76	73.58751	(11081119)		
671911.06	4341935.76	74.99837	(13082519)	672132.37
4341935.76	35.30623	(13110317)		
672353.68	4341935.76	25.94484	(11081519)	672574.99
4341935.76	95.61025	(12090419)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1060

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP14 ***
 INCLUDING SOURCE(S): PAREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

668148.79	4342100.72	23.18445	(12010519)	668370.10
4342100.72	26.12028	(12010519)		
668591.41	4342100.72	29.20929	(11121308)	668812.72
4342100.72	33.33340	(11121308)		
669034.03	4342100.72	37.85241	(11121308)	669255.34
4342100.72	57.70801	(12121918)		
669476.65	4342100.72	88.65392	(12121918)	669697.96
4342100.72	83.16798	(10112518)		
669919.27	4342100.72	76.14609	(10123118)	670140.58
4342100.72	57.48870	(10010418)		
670361.89	4342100.72	154.14125	(11103019)	670583.20
4342100.72	132.54492	(12121508)		
671468.44	4342100.72	58.31902	(12011417)	671689.75
4342100.72	52.99921	(10021018)		
671911.06	4342100.72	60.46766	(12042219)	672132.37
4342100.72	43.23482	(13092318)		
672353.68	4342100.72	28.54974	(10122218)	672574.99
4342100.72	94.58851	(12011618)		

668148.79	4342265.68	23.28917	(11121308)	668370.10
4342265.68	26.23265 (12121918)			
668591.41	4342265.68	28.60832	(12121918)	668812.72
4342265.68	31.68223 (12121918)			
669034.03	4342265.68	34.90702	(10112518)	669255.34
4342265.68	40.26984 (12020919)			
669476.65	4342265.68	47.91560	(12020919)	669697.96
4342265.68	72.24293 (10120618)			
669919.27	4342265.68	83.71952	(10120618)	670140.58
4342265.68	122.77937 (11122518)			
670361.89	4342265.68	95.55170	(13123008)	670583.20
4342265.68	115.15521 (12010518)			
670804.51	4342265.68	146.89950	(12012908)	671025.82
4342265.68	145.64005 (12111517)			
671247.13	4342265.68	167.33328	(11010908)	671468.44
4342265.68	58.41196 (12100218)			
671689.75	4342265.68	55.80859	(09112608)	671911.06
4342265.68	50.41412 (11030418)			
672132.37	4342265.68	60.06300	(11083019)	672353.68
4342265.68	51.76421 (11022219)			
672574.99	4342265.68	61.68535	(11022219)	668148.79
4342430.64	21.23296 (12121918)			
668370.10	4342430.64	24.26749	(10112518)	668591.41
4342430.64	25.05697 (10112518)			
668812.72	4342430.64	28.62981	(12020919)	669034.03
4342430.64	31.87197 (12020919)			
669255.34	4342430.64	35.73555	(10120618)	669476.65
4342430.64	44.38046 (10120618)			
669697.96	4342430.64	51.26404	(11122519)	669919.27
4342430.64	60.53404 (12121508)			
670140.58	4342430.64	67.83566	(13123008)	670361.89
4342430.64	82.90741 (12010518)			
670583.20	4342430.64	163.52822	(13121208)	670804.51
4342430.64	191.84373 (13021619)			
671025.82	4342430.64	199.93358	(09121008)	671247.13
4342430.64	54.19590 (13032719)			
671468.44	4342430.64	47.46255	(13051219)	671689.75
4342430.64	40.45034 (13093018)			
671911.06	4342430.64	43.21962	(13082319)	672132.37
4342430.64	59.67732 (10101519)			
672353.68	4342430.64	98.91817	(11083019)	672574.99
4342430.64	62.62332 (11022219)			
668148.79	4342595.60	21.08130	(12020919)	668370.10
4342595.60	23.24915 (12020919)			
668591.41	4342595.60	24.86575	(12020919)	668812.72
4342595.60	27.48591 (10120618)			
669034.03	4342595.60	31.52381	(10120618)	669255.34
4342595.60	35.72123 (11122519)			
669476.65	4342595.60	39.98007	(14010208)	669697.96
4342595.60	48.77527 (12121508)			

669919.27	4342595.60	52.58848	(11122608)	670140.58
4342595.60	64.70603 (12010518)			
670361.89	4342595.60	76.74814	(11121108)	670583.20
4342595.60	78.07587 (13020619)			
670804.51	4342595.60	105.94039	(10110618)	671025.82
4342595.60	159.71587 (12010118)			
671247.13	4342595.60	81.66077	(12091419)	671468.44
4342595.60	35.47840 (13051219)			
671689.75	4342595.60	28.13219	(10020119)	671911.06
4342595.60	28.23001 (09112608)			
672132.37	4342595.60	36.72881	(13100718)	672353.68
4342595.60	100.13561 (13031619)			

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1061

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP14 ***
 INCLUDING SOURCE(S): PAREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

672574.99	4342595.60	52.92316	(11083019)	668148.79
4342760.56	20.95008 (12020919)			
668370.10	4342760.56	23.41734	(10120618)	668591.41
4342760.56	25.51797 (10120618)			
668812.72	4342760.56	27.72219	(11122519)	669034.03
4342760.56	32.23119 (11122518)			
669255.34	4342760.56	35.78944	(12121508)	669476.65
4342760.56	39.38685 (13123008)			
669697.96	4342760.56	46.43257	(11122608)	669919.27
4342760.56	52.64701 (12010518)			
670140.58	4342760.56	105.02599	(10121218)	670361.89
4342760.56	117.56338 (12121219)			
670583.20	4342760.56	63.88964	(12102919)	670804.51
4342760.56	79.03967 (09010719)			
671025.82	4342760.56	76.69722	(10021819)	671247.13
4342760.56	37.14236 (12111818)			

671468.44	4342760.56	30.47512	(13051219)	671689.75
4342760.56	27.81360 (10020119)			
671911.06	4342760.56	22.34008	(11022319)	672132.37
4342760.56	27.22577 (13082319)			
672353.68	4342760.56	75.10284	(09090619)	672574.99
4342760.56	81.21967 (13031619)			
668148.79	4342925.52	21.51517	(10120618)	668370.10
4342925.52	22.49632 (10120618)			
668591.41	4342925.52	25.88360	(11122519)	668812.72
4342925.52	27.88243 (14010208)			
669034.03	4342925.52	30.99195	(12121508)	669476.65
4342925.52	37.37278 (11122608)			
669697.96	4342925.52	43.74222	(12010518)	669919.27
4342925.52	84.46111 (10121218)			
670140.58	4342925.52	94.99906	(11100319)	670361.89
4342925.52	88.54080 (09120808)			
670583.20	4342925.52	116.67722	(10110618)	670804.51
4342925.52	109.10281 (12011419)			
671025.82	4342925.52	30.31476	(11040919)	671247.13
4342925.52	33.41208 (11112017)			
671468.44	4342925.52	24.10308	(12110118)	671689.75
4342925.52	22.73809 (12102318)			
671911.06	4342925.52	18.73558	(13052619)	672132.37
4342925.52	15.94460 (09112608)			
672353.68	4342925.52	32.75605	(13100718)	672574.99
4342925.52	68.62066 (10101519)			
668148.79	4343090.48	19.95264	(11122519)	668370.10
4343090.48	21.85421 (11122518)			
668591.41	4343090.48	24.76502	(14010208)	669476.65
4343090.48	34.83492 (12010518)			
669697.96	4343090.48	39.07393	(12011719)	669919.27
4343090.48	45.35212 (12012908)			
670140.58	4343090.48	91.25646	(13020619)	670361.89
4343090.48	55.88502 (09122608)			
670583.20	4343090.48	61.08629	(09010719)	670804.51
4343090.48	112.85720 (12010118)			
671025.82	4343090.48	27.04151	(11040919)	671247.13
4343090.48	26.32421 (11012908)			
671468.44	4343090.48	21.89113	(12110118)	671689.75
4343090.48	19.80971 (12011417)			
671911.06	4343090.48	16.87553	(11030318)	672132.37
4343090.48	17.46750 (09112608)			
672353.68	4343090.48	14.89162	(10021018)	672574.99
4343090.48	16.87369 (10021919)			
668148.79	4343255.44	19.62327	(14010208)	668370.10
4343255.44	21.27746 (12121508)			
668591.41	4343255.44	23.43491	(13123008)	669476.65
4343255.44	33.47731 (12011719)			
669697.96	4343255.44	37.64981	(13121208)	669919.27
4343255.44	41.65006 (13020619)			

670140.58	4343255.44	46.46466	(13021619)	670361.89
4343255.44	48.85457	(10110618)		
670583.20	4343255.44	51.35850	(09010719)	670804.51
4343255.44	58.96687	(10021819)		
671025.82	4343255.44	22.72916	(10080819)	671247.13
4343255.44	18.06200	(12111818)		
671468.44	4343255.44	21.18790	(12110118)	671689.75
4343255.44	15.85218	(12011417)		
671911.06	4343255.44	14.86170	(11030318)	672132.37
4343255.44	14.93938	(11022319)		
672353.68	4343255.44	12.49870	(10100218)	672574.99
4343255.44	11.07766	(10050719)		
668148.79	4343420.40	19.94154	(12121508)	668370.10
4343420.40	20.75804	(13123008)		

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 *** 10/04/21

*** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1062

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP14 ***
 INCLUDING SOURCE(S): PAREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668591.41	4343420.40	21.25671	(11122608)	668812.72
4343420.40	23.75160	(10011008)		
669034.03	4343420.40	25.47438	(12010518)	669255.34
4343420.40	27.35990	(12011719)		
669476.65	4343420.40	30.28020	(11121108)	669697.96
4343420.40	34.62446	(11100319)		
669919.27	4343420.40	38.08629	(09120808)	670140.58
4343420.40	40.02490	(09122608)		
670361.89	4343420.40	42.99864	(09010719)	670583.20
4343420.40	44.28546	(12011419)		
670804.51	4343420.40	51.34192	(10021819)	671025.82
4343420.40	48.84776	(13032719)		
671247.13	4343420.40	34.18789	(11121418)	671468.44
4343420.40	18.56501	(12110118)		

671689.75	4343420.40	13.34954	(10020217)	671911.06
4343420.40	14.21821	(10020119)		
672132.37	4343420.40	11.78884	(13052619)	672353.68
4343420.40	12.26931	(11081319)		
672574.99	4343420.40	11.47634	(10021018)	668148.79
4343585.36	19.28310	(13123008)		
668370.10	4343585.36	20.56591	(11122608)	668591.41
4343585.36	21.36544	(10011008)		
668812.72	4343585.36	23.37890	(12010518)	669034.03
4343585.36	25.26881	(12011719)		
669255.34	4343585.36	27.53643	(11121108)	669476.65
4343585.36	29.22638	(12012908)		
669697.96	4343585.36	31.26565	(13020619)	669919.27
4343585.36	34.12811	(13021619)		
670140.58	4343585.36	36.07500	(10110618)	670361.89
4343585.36	39.80005	(09010719)		
670583.20	4343585.36	40.55646	(12010118)	670804.51
4343585.36	46.05650	(11010908)		
671025.82	4343585.36	39.77096	(11112017)	671247.13
4343585.36	34.86004	(11121418)		
671468.44	4343585.36	20.68003	(12110118)	671689.75
4343585.36	15.00937	(12100218)		
671911.06	4343585.36	14.11729	(10020119)	672132.37
4343585.36	11.71971	(13052619)		
672353.68	4343585.36	10.87962	(11081319)	672574.99
4343585.36	8.98615	(10100218)		
668148.79	4343750.32	18.79190	(11122608)	668370.10
4343750.32	20.36785	(10011008)		
668591.41	4343750.32	21.55084	(12010518)	668812.72
4343750.32	22.68337	(13123019)		
669034.03	4343750.32	25.12874	(11121108)	669255.34
4343750.32	26.99109	(12012908)		
669476.65	4343750.32	28.22805	(13020619)	669697.96
4343750.32	30.07171	(09120808)		
669919.27	4343750.32	31.16846	(10110418)	670140.58
4343750.32	32.39608	(09010719)		
670361.89	4343750.32	35.62025	(09121008)	670583.20
4343750.32	38.38406	(10021819)		
670804.51	4343750.32	41.48657	(11010908)	671025.82
4343750.32	37.62541	(11112017)		
671247.13	4343750.32	75.82664	(11121418)	671468.44
4343750.32	44.61833	(13041219)		
671689.75	4343750.32	60.12266	(13100819)	671911.06
4343750.32	31.12882	(10090419)		
672132.37	4343750.32	15.17986	(10040319)	672353.68
4343750.32	11.94537	(11022319)		
672574.99	4343750.32	10.27186	(09112608)	668148.79
4343915.28	17.90467	(10011008)		
668370.10	4343915.28	19.57021	(12010518)	668591.41
4343915.28	21.04142	(13123019)		

668812.72	4343915.28	22.07884	(11121108)	669034.03
4343915.28	24.14576	(13121208)		
669255.34	4343915.28	25.18729	(12121219)	669476.65
4343915.28	26.60423	(13020619)		
669697.96	4343915.28	28.68108	(09122608)	669919.27
4343915.28	29.40697	(10110618)		
670140.58	4343915.28	32.46625	(09010719)	670361.89
4343915.28	31.95679	(12011419)		
670583.20	4343915.28	36.43917	(10021819)	670804.51
4343915.28	37.41458	(11010908)		
671025.82	4343915.28	36.00954	(11112017)	671247.13
4343915.28	39.16530	(09010118)		
671468.44	4343915.28	39.15819	(13041219)	671689.75
4343915.28	44.22902	(13121217)		
671911.06	4343915.28	25.79842	(13110818)	672132.37
4343915.28	16.92486	(10040319)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1063

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP14 ***
 INCLUDING SOURCE(S): PAREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672353.68	4343915.28	17.36342	(13093018)	672574.99
4343915.28	15.63248	(09112608)		
668148.79	4344080.24	17.54176	(12010518)	668370.10
4344080.24	18.78727	(13123019)		
668591.41	4344080.24	19.61240	(11121108)	668812.72
4344080.24	21.71999	(13121208)		
669034.03	4344080.24	22.69502	(11100319)	669255.34
4344080.24	24.73269	(13020619)		
669476.65	4344080.24	25.86318	(09120808)	669697.96
4344080.24	26.44307	(10110418)		
669919.27	4344080.24	26.06970	(09010719)	670140.58
4344080.24	30.04306	(09010719)		

670361.89	4344080.24	29.82383	(12010118)	670583.20
4344080.24	32.67538	(10021819)		
670804.51	4344080.24	32.96385	(11010908)	671025.82
4344080.24	58.55430	(11112017)		
671247.13	4344080.24	36.04270	(09010118)	671468.44
4344080.24	26.27956	(09010118)		
671689.75	4344080.24	28.38641	(13121217)	671911.06
4344080.24	15.03364	(12011417)		
672132.37	4344080.24	11.79001	(10020119)	672353.68
4344080.24	10.68939	(13052619)		
672574.99	4344080.24	10.29078	(11022319)	671464.71
4342094.27	59.87972	(12011417)		
671482.23	4342063.91	64.06009	(12011417)	671498.58
4342030.05	67.08757	(10020119)		
671513.75	4341991.52	70.33851	(11030318)	671541.78
4341964.66	70.21419	(11022319)		
671575.64	4341974.00	60.17737	(10021018)	671460.75
4342162.97	53.27532	(13051219)		
671451.00	4342187.35	54.71515	(13051219)	671510.73
4342219.66	54.08892	(12011417)		
671524.14	4342192.84	51.21634	(12102318)	671522.92
4342250.74	54.88390	(12011417)		
671599.11	4342252.57	51.87082	(10040319)	671627.76
4342256.84	50.82817	(13093018)		
671583.88	4342116.03	45.17854	(11022319)	671595.46
4342071.54	46.26619	(11081319)		
671663.12	4342056.30	50.41529	(10021018)	671600.94
4342030.09	50.34170	(11081319)		
671526.58	4342155.65	49.65377	(10020119)	671628.98
4342292.19	52.14044	(10040319)		
671641.78	4341980.71	57.16082	(10021919)	671666.77
4342018.51	53.42878	(10021919)		
671407.11	4342219.66	61.54434	(12110118)	671415.64
4342183.08	62.11221	(12110118)		
671635.08	4341706.42	174.00144	(11082219)	671693.59
4341710.08	195.31088	(13122719)		
671719.80	4341736.29	193.84872	(13042019)	671673.48
4341630.23	413.30611	(13122317)		
671888.04	4341936.22	83.27118	(13082519)	671977.64
4341952.07	60.96247	(11081819)		
672039.21	4341894.77	47.80135	(13110317)	671858.17
4341753.96	203.81863	(13042019)		
671922.78	4341634.49	142.42626	(12013019)	671613.74
4341791.15	106.98230	(13012818)		
671853.29	4341730.80	213.44511	(13042019)	671783.81
4341585.73	340.27850	(11040519)		
671783.20	4341546.72	355.52147	(11121817)	671769.18
4341461.38	347.54269	(09111517)		
671800.87	4341420.54	289.33854	(10091119)	671880.11
4341427.25	157.11549	(09111517)		

672012.39	4341504.66	56.01086	(09050719)	672084.31
4341547.94	59.38153	(09012017)		
671915.47	4341478.45	120.34572	(10010517)	671903.28
4341564.40	157.36392	(11040519)		
671863.05	4341522.34	216.00875	(11121817)	671830.13
4341336.43	220.94369	(11100718)		
671835.62	4341287.66	208.14486	(12091119)	671825.87
4341275.47	214.88636	(13100619)		
672136.73	4341370.56	38.59983	(13011917)	671920.34
4341307.17	91.76622	(10091119)		
671695.42	4341257.19	128.74934	(11111217)	671682.01
4341176.12	92.07613	(13092718)		
671991.66	4341196.23	81.07244	(13090819)	672022.14
4341231.59	69.41464	(10091119)		
671992.27	4341177.95	64.49164	(10110117)	671540.60
4341238.29	68.16891	(13011817)		
671575.34	4341177.95	59.75129	(13011817)	671454.65
4341196.23	62.94394	(09011917)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1064

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP14 ***
 INCLUDING SOURCE(S): PAREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
671523.53	4341116.38	50.95353	(12110317)	671413.20
4341126.74	48.26366	(09011917)		
671471.11	4341064.57	49.55887	(09011917)	671601.55
4341050.55	60.77728	(11102917)		
671198.64	4341253.53	44.08281	(11111318)	671278.49
4341212.08	52.63645	(12050719)		
671230.34	4341132.84	43.70273	(12050719)	671073.08
4341271.82	39.02653	(10021608)		
671122.45	4341373.61	46.50697	(11021919)	671118.79
4341397.38	47.86515	(11021919)		

670978.40	4341324.15	37.65604	(09012817)	670932.85
4341394.21	40.92533 (10101719)			
670935.19	4341367.36	39.46351	(10010618)	671108.01
4340976.17	31.74733 (11111318)			
671286.67	4340978.51	36.36785	(11102617)	671675.37
4342488.78	36.32913 (11030318)			
671091.40	4342277.23	161.34831	(09121008)	671051.75
4342332.07	123.07052 (09121008)			
671051.75	4342369.20	140.70976	(09121008)	670953.04
4342360.76	136.18248 (10110618)			
670695.71	4342235.89	135.27293	(13123019)	670545.53
4342318.58	107.13017 (13123019)			
670711.74	4342488.16	125.33782	(09120808)	670648.30
4342501.73	108.92718 (13020619)			
670648.30	4342630.87	51.48895	(09020308)	670806.29
4342728.41	79.45795 (09010719)			
670688.15	4342739.41	46.34638	(11122808)	670804.92
4342427.55	191.60170 (13021619)			
670439.48	4342471.51	86.47326	(12011719)	670358.43
4342578.67	76.84782 (11121108)			
670546.64	4342662.47	87.64853	(13020619)	670537.03
4342595.15	100.42587 (12121219)			
670483.45	4342776.50	86.31404	(09120808)	670508.17
4342754.52	84.96381 (09120808)			
670517.79	4342868.54	83.15167	(09122608)	670545.27
4342850.69	71.03929 (10110418)			
670582.36	4342878.16	80.50877	(10110618)	670304.85
4342688.57	116.57777 (13121208)			
670039.70	4342661.10	58.54270	(12010518)	670156.48
4342673.46	63.30999 (13123019)			
670236.16	4342648.73	66.42826	(12011719)	670071.30
4342738.03	58.18955 (13123019)			
669990.24	4342753.14	55.20531	(13123019)	669928.42
4342742.15	53.25012 (12010518)			
669815.77	4342673.46	50.47095	(11122608)	669742.96
4342655.60	48.81150 (13123008)			
669791.04	4342744.90	49.20295	(10011008)	669696.25
4342731.16	46.17461 (11122608)			
669536.88	4342552.57	41.71677	(11122518)	671174.86
4342280.21	200.09578 (10021819)			
671068.38	4342169.93	294.48697	(10110618)	670965.71
4342179.44	258.32193 (09120808)			
670815.50	4342198.45	160.55327	(11121108)	670737.55
4342097.68	155.11350 (11122608)			
670762.27	4342069.16	163.26426	(11122608)	670817.40
4342040.64	183.64248 (11122608)			
670895.36	4342025.43	213.43033	(12010518)	670979.02
4341915.15	293.77416 (13123008)			
671115.92	4341863.81	450.97444	(10011008)	671199.58
4341770.65	790.08822 (12121508)			

671222.39	4341377.07	63.59882	(13010608)	671714.84
4341392.28	310.64577	(12091119)		
671366.89	4341998.81	239.91525	(11012908)	671226.19
4342236.48	206.90276	(11010908)		
669098.44	4343411.59	25.77251	(13123019)	668908.63
4343364.56	24.62520	(10011008)		
668851.52	4343359.52	24.06009	(10011008)	668831.37
4343371.27	23.79799	(10011008)		
668733.94	4343302.41	22.95808	(09101719)	668686.91
4343199.95	24.73724	(13123008)		
668671.79	4343089.09	25.42535	(12121508)	668806.17
4343001.74	26.91436	(12121508)		
668918.71	4343025.26	28.47259	(13123008)	669024.53
4342942.95	30.54315	(12121508)		
669288.24	4342916.08	33.82766	(13123008)	669333.59
4342922.80	33.45258	(09101719)		
669365.51	4342978.23	34.34944	(11122608)	669336.95
4343151.23	31.77580	(12010518)		
669303.36	4343304.09	30.11448	(13123019)	669222.73
4343235.22	29.39569	(12010518)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1065

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP14 ***
 INCLUDING SOURCE(S): PAREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
669135.39	4343305.77	27.35623	(12010518)	

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1066

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP15 ***

INCLUDING SOURCE(S): PAREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4340781.04	39.94526	(11120408)	668370.10
4340781.04	33.20669	(13121008)		
668591.41	4340781.04	31.66991	(13121008)	668812.72
4340781.04	31.39070	(11122708)		
669034.03	4340781.04	32.58398	(11122708)	669255.34
4340781.04	19.71556	(09010608)		
669476.65	4340781.04	22.61171	(09010608)	669697.96
4340781.04	15.70986	(12021708)		
669919.27	4340781.04	16.61941	(12021708)	670140.58
4340781.04	7.92134	(12021708)		
670361.89	4340781.04	14.03625	(10123008)	670583.20
4340781.04	12.99410	(10123008)		
670804.51	4340781.04	5.35469	(13122109)	671025.82
4340781.04	6.93301	(13122109)		
671247.13	4340781.04	5.04288	(13122109)	671468.44
4340781.04	4.24290	(11121411)		
671689.75	4340781.04	4.42952	(12022509)	671911.06
4340781.04	4.06679	(10072608)		
672132.37	4340781.04	3.72415	(10072608)	672353.68
4340781.04	5.40412	(13022308)		
672574.99	4340781.04	11.82491	(13022308)	668148.79
4340946.00	78.21279	(11120408)		
668370.10	4340946.00	64.78812	(13121008)	668591.41
4340946.00	55.50475	(13121008)		
668812.72	4340946.00	46.64889	(11122708)	669034.03
4340946.00	30.75305	(11122708)		
669255.34	4340946.00	21.97376	(09010608)	669476.65
4340946.00	23.71801	(09010608)		
669697.96	4340946.00	17.06473	(12021708)	669919.27
4340946.00	15.23999	(12021708)		
670140.58	4340946.00	11.89613	(10123008)	670361.89
4340946.00	16.69335	(10123008)		
670583.20	4340946.00	10.83944	(10123008)	670804.51
4340946.00	7.33395	(13122109)		

671025.82	4340946.00	6.61883	(13122109)	671247.13
4340946.00	4.40545 (11121411)			
671468.44	4340946.00	4.65290	(12022509)	671689.75
4340946.00	4.24280 (10072608)			
671911.06	4340946.00	3.93460	(10072608)	672132.37
4340946.00	5.04407 (13022308)			
672353.68	4340946.00	11.90288	(13022308)	672574.99
4340946.00	17.88884 (13022308)			
668148.79	4341110.96	98.90032	(11120408)	668370.10
4341110.96	91.59653 (13011308)			
668591.41	4341110.96	60.46848	(13121008)	668812.72
4341110.96	40.20543 (11122708)			
669034.03	4341110.96	38.08087	(11122708)	669255.34
4341110.96	30.69369 (11122708)			
669476.65	4341110.96	22.89347	(09010608)	669697.96
4341110.96	18.89781 (12021708)			
669919.27	4341110.96	16.18805	(12021708)	670140.58
4341110.96	15.26320 (10123008)			
670361.89	4341110.96	15.96236	(10123008)	670583.20
4341110.96	7.12102 (13122109)			
670804.51	4341110.96	8.13102	(13122109)	671025.82
4341110.96	4.83570 (13122109)			
671247.13	4341110.96	4.87414	(12022509)	671468.44
4341110.96	4.43884 (10072608)			
671689.75	4341110.96	4.17306	(10072608)	671911.06
4341110.96	8.30369 (13022308)			
672132.37	4341110.96	12.07033	(13022308)	672353.68
4341110.96	16.05923 (13022308)			
672574.99	4341110.96	17.60780	(13022308)	668148.79
4341275.92	103.47533 (11120408)			
668370.10	4341275.92	72.64948	(13121008)	668591.41
4341275.92	52.00710 (13121008)			
668812.72	4341275.92	26.90863	(13121008)	669034.03
4341275.92	21.16486 (11011708)			
669255.34	4341275.92	22.97028	(09010608)	669476.65
4341275.92	22.01731 (09010608)			
669697.96	4341275.92	22.63371	(12021708)	669919.27
4341275.92	11.87270 (12021708)			
670140.58	4341275.92	16.72368	(10123008)	670361.89
4341275.92	12.09132 (10123008)			
670583.20	4341275.92	9.21701	(13122109)	670804.51
4341275.92	6.96295 (13122109)			
671025.82	4341275.92	5.09178	(12022509)	671247.13
4341275.92	4.77909 (12022509)			
671468.44	4341275.92	4.45566	(10072608)	671689.75
4341275.92	10.80585 (13022308)			

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP15 ***

INCLUDING SOURCE(S): PAREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
671911.06	4341275.92	17.86150	(13022308)	672132.37
4341275.92	17.27383	(13022308)		
672353.68	4341275.92	13.39383	(13022308)	672574.99
4341275.92	11.11411	(13022308)		
668148.79	4341440.88	111.31565	(13012808)	668370.10
4341440.88	68.17594	(11120408)		
668591.41	4341440.88	45.67907	(13121008)	668812.72
4341440.88	22.05274	(10021708)		
669034.03	4341440.88	22.45508	(11011708)	669255.34
4341440.88	26.50694	(09010608)		
669476.65	4341440.88	21.99037	(09010609)	669697.96
4341440.88	22.17393	(12021708)		
669919.27	4341440.88	15.08216	(10123008)	670140.58
4341440.88	17.11995	(10123008)		
670361.89	4341440.88	9.54558	(13122109)	670583.20
4341440.88	9.35158	(13122109)		
670804.51	4341440.88	5.35146	(11121411)	671025.82
4341440.88	5.27151	(12022509)		
671689.75	4341440.88	22.62470	(13022308)	671911.06
4341440.88	22.13640	(13022308)		
672132.37	4341440.88	13.89728	(13022308)	672353.68
4341440.88	7.85784	(13022308)		
672574.99	4341440.88	9.15844	(10121008)	668148.79
4341605.84	54.55045	(11120408)		
668370.10	4341605.84	38.19948	(11120408)	668591.41
4341605.84	29.89419	(13121008)		
668812.72	4341605.84	25.09650	(13121008)	669034.03
4341605.84	27.79826	(11011708)		
669255.34	4341605.84	27.27384	(09010608)	669476.65
4341605.84	23.09714	(09010609)		
669697.96	4341605.84	20.68995	(12021708)	669919.27
4341605.84	18.31907	(10123008)		

670140.58	4341605.84	14.91336	(10123008)	670361.89
4341605.84	11.55166	(13122109)		
670583.20	4341605.84	6.93939	(13122109)	670804.51
4341605.84	5.87880	(12022509)		
671025.82	4341605.84	5.28038	(10072608)	671689.75
4341605.84	25.58021	(13022308)		
671911.06	4341605.84	16.53171	(13022308)	672132.37
4341605.84	8.27831	(10121008)		
672353.68	4341605.84	10.52665	(10121008)	672574.99
4341605.84	12.10269	(10121008)		
668148.79	4341770.80	103.78986	(13012808)	668370.10
4341770.80	35.41232	(13010608)		
668591.41	4341770.80	44.29332	(13121008)	668812.72
4341770.80	37.27838	(13121008)		
669034.03	4341770.80	28.87036	(11011708)	669255.34
4341770.80	24.19604	(09010608)		
669476.65	4341770.80	22.88477	(09010609)	669697.96
4341770.80	16.10228	(12021708)		
669919.27	4341770.80	19.94184	(10123008)	670140.58
4341770.80	12.97222	(13122109)		
670361.89	4341770.80	10.43423	(13122109)	670583.20
4341770.80	6.67070	(12022509)		
670804.51	4341770.80	8.23219	(13022308)	671025.82
4341770.80	20.39543	(13022308)		
671689.75	4341770.80	14.77795	(13022308)	671911.06
4341770.80	11.95078	(10121008)		
672132.37	4341770.80	12.13573	(10121008)	672353.68
4341770.80	11.16811	(10121008)		
672574.99	4341770.80	11.11715	(10121008)	668148.79
4341935.76	143.17047	(12120808)		
668370.10	4341935.76	119.85575	(11120408)	668591.41
4341935.76	49.85053	(11120408)		
668812.72	4341935.76	30.57848	(13121008)	669034.03
4341935.76	26.46335	(11011708)		
669255.34	4341935.76	25.99675	(09010609)	669476.65
4341935.76	21.27697	(09010609)		
669697.96	4341935.76	19.03694	(10123008)	669919.27
4341935.76	17.49009	(10123008)		
670140.58	4341935.76	14.50241	(13122109)	670361.89
4341935.76	7.73252	(12022509)		
670583.20	4341935.76	9.74842	(13022308)	670804.51
4341935.76	29.25394	(13022308)		
671468.44	4341935.76	11.87305	(13022308)	671689.75
4341935.76	14.41820	(10121008)		
671911.06	4341935.76	14.65812	(10121008)	672132.37
4341935.76	11.15220	(10121008)		
672353.68	4341935.76	10.04698	(12111008)	672574.99
4341935.76	10.09497	(12111008)		

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 *** 10/04/21

*** AERMET - VERSION 14134 ***
*** 13:59:48

PAGE 1068

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP15 ***
INCLUDING SOURCE(S): PAREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4342100.72	164.87782	(12120808)	668370.10
4342100.72	66.67459	(13020408)		
668591.41	4342100.72	37.84361	(13010608)	668812.72
4342100.72	29.91397	(10021708)		
669034.03	4342100.72	27.20402	(11011708)	669255.34
4342100.72	30.01221	(09010609)		
669476.65	4342100.72	22.95159	(12021708)	669697.96
4342100.72	23.47940	(10123008)		
669919.27	4342100.72	18.64857	(13122109)	670140.58
4342100.72	11.44221	(13122109)		
670361.89	4342100.72	14.04415	(13022308)	670583.20
4342100.72	37.58043	(13022308)		
671468.44	4342100.72	15.41196	(10121008)	671689.75
4342100.72	13.82392	(10121008)		
671911.06	4342100.72	12.94503	(12111008)	672132.37
4342100.72	11.04038	(12111008)		
672353.68	4342100.72	8.30355	(12111008)	672574.99
4342100.72	6.99836	(12111008)		
668148.79	4342265.68	169.52553	(12120808)	668370.10
4342265.68	65.85635	(12021208)		
668591.41	4342265.68	109.62184	(11120408)	668812.72
4342265.68	76.23134	(13121008)		
669034.03	4342265.68	65.27705	(11122708)	669255.34
4342265.68	40.33103	(09010609)		
669476.65	4342265.68	32.53621	(10123008)	669697.96
4342265.68	28.47774	(10123008)		
669919.27	4342265.68	20.27969	(13122109)	670140.58
4342265.68	19.66159	(13022308)		
670361.89	4342265.68	44.44537	(13022308)	670583.20
4342265.68	45.11230	(13022308)		

670804.51	4342265.68	26.44971	(13022308)	671025.82
4342265.68	20.23889	(10121008)		
671247.13	4342265.68	18.40068	(10121008)	671468.44
4342265.68	14.71372	(12111008)		
671689.75	4342265.68	12.76058	(12111008)	671911.06
4342265.68	9.88468	(12111008)		
672132.37	4342265.68	7.17005	(12111008)	672353.68
4342265.68	4.99062	(12010910)		
672574.99	4342265.68	4.87548	(12010910)	668148.79
4342430.64	191.66335	(10122708)		
668370.10	4342430.64	202.25788	(12120808)	668591.41
4342430.64	222.77343	(13012808)		
668812.72	4342430.64	231.90638	(13011308)	669034.03
4342430.64	257.93531	(11122708)		
669255.34	4342430.64	205.78537	(11122708)	669476.65
4342430.64	64.39307	(10123008)		
669697.96	4342430.64	38.45534	(10123008)	669919.27
4342430.64	38.89036	(13022308)		
670140.58	4342430.64	61.48224	(13022308)	670361.89
4342430.64	50.71388	(13022308)		
670583.20	4342430.64	25.51488	(10121008)	670804.51
4342430.64	23.86760	(10121008)		
671025.82	4342430.64	19.59981	(12111008)	671247.13
4342430.64	14.28980	(12111008)		
671468.44	4342430.64	10.28363	(12111008)	671689.75
4342430.64	6.81324	(12111008)		
671911.06	4342430.64	6.25800	(12111009)	672132.37
4342430.64	6.63019	(12111009)		
672353.68	4342430.64	6.66812	(12111009)	672574.99
4342430.64	6.48053	(12111009)		
668148.79	4342595.60	222.23985	(12011608)	668370.10
4342595.60	241.85159	(10122708)		
668591.41	4342595.60	258.19943	(12120808)	668812.72
4342595.60	280.39587	(13012808)		
669034.03	4342595.60	320.47548	(11122708)	669255.34
4342595.60	230.56516	(11122708)		
669476.65	4342595.60	94.27119	(10123008)	669697.96
4342595.60	61.05617	(13022308)		
669919.27	4342595.60	84.14598	(13022308)	670140.58
4342595.60	51.72796	(13022308)		
670361.89	4342595.60	32.76299	(10121008)	670583.20
4342595.60	21.91138	(12111008)		
670804.51	4342595.60	18.16839	(12111008)	671025.82
4342595.60	13.23156	(12111008)		
671247.13	4342595.60	9.29208	(12111009)	671468.44
4342595.60	9.41758	(12111009)		
671689.75	4342595.60	9.04315	(12111009)	671911.06
4342595.60	8.31953	(12111009)		
672132.37	4342595.60	7.37323	(12111009)	672353.68
4342595.60	6.36163	(12111009)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1069

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP15 ***
 INCLUDING SOURCE(S): PAREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672574.99	4342595.60	5.63339	(13031608)	668148.79
4342760.56	299.28671	(10020808)		
668370.10	4342760.56	287.88307	(12122408)	668591.41
4342760.56	331.77887	(12120808)		
668812.72	4342760.56	318.26670	(12120708)	669034.03
4342760.56	129.64014	(11122708)		
669255.34	4342760.56	90.46292	(10123008)	669476.65
4342760.56	109.82949	(13022308)		
669697.96	4342760.56	71.82112	(13022308)	669919.27
4342760.56	47.16124	(10121008)		
670140.58	4342760.56	30.80725	(12111008)	670361.89
4342760.56	22.56540	(12111008)		
670583.20	4342760.56	15.48886	(12111009)	670804.51
4342760.56	14.53508	(12111009)		
671025.82	4342760.56	12.89335	(12111009)	671247.13
4342760.56	10.99282	(12111009)		
671468.44	4342760.56	9.04995	(12111009)	671689.75
4342760.56	7.58316	(13031608)		
671911.06	4342760.56	6.53433	(13010611)	672132.37
4342760.56	6.37296	(13010611)		
672353.68	4342760.56	6.12649	(13010611)	672574.99
4342760.56	5.94265	(13010611)		
668148.79	4342925.52	356.70990	(11010508)	668370.10
4342925.52	402.69201	(12011208)		
668591.41	4342925.52	223.55447	(10020808)	668812.72
4342925.52	261.83715	(12011608)		
669034.03	4342925.52	183.54918	(10021608)	669476.65
4342925.52	147.91640	(13022308)		

669697.96	4342925.52	48.41794	(12111008)	669919.27
4342925.52	32.79675	(12111009)		
670140.58	4342925.52	25.55624	(12111009)	670361.89
4342925.52	19.84489	(12111009)		
670583.20	4342925.52	15.14520	(12111009)	670804.51
4342925.52	12.65789	(13010611)		
671025.82	4342925.52	11.68907	(13010611)	671247.13
4342925.52	10.52126	(13010611)		
671468.44	4342925.52	9.51567	(13010611)	671689.75
4342925.52	8.57885	(13010611)		
671911.06	4342925.52	7.76280	(13010611)	672132.37
4342925.52	7.17430	(13012708)		
672353.68	4342925.52	9.46513	(13012708)	672574.99
4342925.52	11.74311	(13012708)		
668148.79	4343090.48	339.50688	(09020208)	668370.10
4343090.48	469.94007	(09020208)		
668591.41	4343090.48	312.78674	(09020408)	669476.65
4343090.48	181.00397	(13012708)		
669697.96	4343090.48	100.65054	(13012708)	669919.27
4343090.48	63.59338	(13012708)		
670140.58	4343090.48	45.62210	(13012708)	670361.89
4343090.48	48.94209	(13012708)		
670583.20	4343090.48	53.59374	(13012708)	670804.51
4343090.48	35.52707	(13012708)		
671025.82	4343090.48	24.71102	(13012708)	671247.13
4343090.48	23.43843	(13012708)		
671468.44	4343090.48	20.71140	(13012708)	671689.75
4343090.48	19.04858	(13012708)		
671911.06	4343090.48	17.73537	(13012708)	672132.37
4343090.48	16.81946	(13012708)		
672353.68	4343090.48	15.59869	(13012708)	672574.99
4343090.48	17.07573	(13012708)		
668148.79	4343255.44	349.63338	(13020108)	668370.10
4343255.44	491.32230	(11121308)		
668591.41	4343255.44	746.20767	(11121308)	669476.65
4343255.44	102.35648	(13012708)		
669697.96	4343255.44	78.29673	(13012708)	669919.27
4343255.44	55.60809	(13012708)		
670140.58	4343255.44	47.15219	(13012708)	670361.89
4343255.44	50.20861	(13012708)		
670583.20	4343255.44	51.22114	(13012708)	670804.51
4343255.44	35.95097	(13012708)		
671025.82	4343255.44	19.77731	(13012708)	671247.13
4343255.44	18.32788	(13012708)		
671468.44	4343255.44	16.98001	(13012708)	671689.75
4343255.44	15.13325	(13012708)		
671911.06	4343255.44	14.06064	(13012708)	672132.37
4343255.44	13.54692	(13012708)		
672353.68	4343255.44	13.00119	(13012708)	672574.99
4343255.44	12.00758	(13012708)		

668148.79 4343420.40 368.09848 (13122708) 668370.10
 4343420.40 440.95015 (13122708)
 *** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1070

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP15 ***

INCLUDING SOURCE(S): PAREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668591.41	4343420.40	576.36466	(11122608)	668812.72
4343420.40	652.36549	(09120808)		
669034.03	4343420.40	719.14868	(11010908)	669255.34
4343420.40	386.91779	(11012908)		
669476.65	4343420.40	211.67820	(10112508)	669697.96
4343420.40	76.45603	(10112508)		
669919.27	4343420.40	63.31096	(10112508)	670140.58
4343420.40	74.50105	(10112508)		
670361.89	4343420.40	47.73536	(13011508)	670583.20
4343420.40	45.36463	(13011508)		
670804.51	4343420.40	31.21392	(13011508)	671025.82
4343420.40	20.45257	(13011508)		
671247.13	4343420.40	17.20796	(13011508)	671468.44
4343420.40	13.30869	(13011508)		
671689.75	4343420.40	11.08243	(13011508)	671911.06
4343420.40	8.91912	(13011508)		
672132.37	4343420.40	7.24493	(13011508)	672353.68
4343420.40	5.83632	(13011508)		
672574.99	4343420.40	5.11366	(09092708)	668148.79
4343585.36	162.02084	(14010208)		
668370.10	4343585.36	191.54171	(12010108)	668591.41
4343585.36	431.77484	(12012908)		
668812.72	4343585.36	284.96421	(09020308)	669034.03
4343585.36	128.66280	(11010908)		
669255.34	4343585.36	120.98306	(09112608)	669476.65
4343585.36	109.65354	(09112608)		

669697.96	4343585.36	111.06346	(10112508)	669919.27
4343585.36	128.65511	(10112508)		
670140.58	4343585.36	119.90110	(10112508)	670361.89
4343585.36	93.03885	(10112508)		
670583.20	4343585.36	56.65741	(10112508)	670804.51
4343585.36	24.04827	(10112508)		
671025.82	4343585.36	19.34192	(13011508)	671247.13
4343585.36	13.23982	(13011508)		
671468.44	4343585.36	13.01145	(13011508)	671689.75
4343585.36	13.01061	(13011508)		
671911.06	4343585.36	11.97371	(13011508)	672132.37
4343585.36	11.28619	(13011508)		
672353.68	4343585.36	10.18364	(13011508)	672574.99
4343585.36	9.33044	(13011508)		
668148.79	4343750.32	181.80905	(10011008)	668370.10
4343750.32	90.91312	(12111208)		
668591.41	4343750.32	110.24899	(10113008)	668812.72
4343750.32	139.65080	(10121308)		
669034.03	4343750.32	61.14423	(10110908)	669255.34
4343750.32	56.11583	(09112608)		
669476.65	4343750.32	85.77585	(09112608)	669697.96
4343750.32	73.82340	(09021308)		
669919.27	4343750.32	67.61662	(13120708)	670140.58
4343750.32	74.01755	(10112508)		
670361.89	4343750.32	74.82047	(10112508)	670583.20
4343750.32	81.11280	(10112508)		
670804.51	4343750.32	64.20957	(10112508)	671025.82
4343750.32	37.65076	(10112508)		
671247.13	4343750.32	12.37130	(10112508)	671468.44
4343750.32	7.24054	(13011508)		
671689.75	4343750.32	8.92088	(13011508)	671911.06
4343750.32	8.02884	(13011508)		
672132.37	4343750.32	7.94715	(13011508)	672353.68
4343750.32	7.94403	(13011508)		
672574.99	4343750.32	8.58589	(13011508)	668148.79
4343915.28	246.39739	(11121108)		
668370.10	4343915.28	89.92125	(11111708)	668591.41
4343915.28	67.73047	(10113008)		
668812.72	4343915.28	70.09341	(10020508)	669034.03
4343915.28	48.83927	(10110908)		
669255.34	4343915.28	39.17515	(09112608)	669476.65
4343915.28	50.77315	(09112608)		
669697.96	4343915.28	65.68346	(09112608)	669919.27
4343915.28	59.40024	(09021308)		
670140.58	4343915.28	50.63729	(13120708)	670361.89
4343915.28	51.74681	(13120708)		
670583.20	4343915.28	47.41754	(10112508)	670804.51
4343915.28	54.77177	(10112508)		
671025.82	4343915.28	40.29160	(10112508)	671247.13
4343915.28	44.23152	(10112508)		

671468.44 4343915.28 17.76675 (10112508) 671689.75
 4343915.28 8.39111 (10112508)
 671911.06 4343915.28 4.46711 (12101210) 672132.37
 4343915.28 4.75424 (12101210)
 *** AERMOD - VERSION 19191 *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1071

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP15 ***
 INCLUDING SOURCE(S): PAREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672353.68	4343915.28	4.86951	(12101210)	672574.99
4343915.28	4.82926	(12101210)		
668148.79	4344080.24	168.32199	(12012908)	668370.10
4344080.24	112.43284	(09020308)		
668591.41	4344080.24	58.82061	(10121308)	668812.72
4344080.24	49.38928	(10020508)		
669034.03	4344080.24	40.57343	(10110908)	669255.34
4344080.24	28.27598	(11011208)		
669476.65	4344080.24	58.89091	(09112608)	669697.96
4344080.24	66.67445	(09112608)		
669919.27	4344080.24	44.14089	(09021308)	670140.58
4344080.24	41.14860	(09021308)		
670361.89	4344080.24	39.40904	(13120708)	670583.20
4344080.24	42.45084	(13120708)		
670804.51	4344080.24	32.37227	(13120708)	671025.82
4344080.24	19.36165	(10112508)		
671247.13	4344080.24	35.87898	(10112508)	671468.44
4344080.24	34.54805	(10112508)		
671689.75	4344080.24	14.13038	(10112508)	671911.06
4344080.24	6.18228	(10112508)		
672132.37	4344080.24	3.60728	(10122909)	672353.68
4344080.24	3.40204	(12101210)		
672574.99	4344080.24	3.81806	(12101210)	671464.71
4342094.27	15.48514	(10121008)		

671482.23	4342063.91	15.33690	(10121008)	671498.58
4342030.05	14.84847 (10121008)			
671513.75	4341991.52	14.06335	(10121008)	671541.78
4341964.66	13.53354 (10121008)			
671575.64	4341974.00	13.92872	(10121008)	671460.75
4342162.97	14.95411 (10121008)			
671451.00	4342187.35	14.62635	(10121008)	671510.73
4342219.66	14.11891 (12111008)			
671524.14	4342192.84	13.69139	(12111008)	671522.92
4342250.74	14.28523 (12111008)			
671599.11	4342252.57	13.76044	(12111008)	671627.76
4342256.84	13.49672 (12111008)			
671583.88	4342116.03	13.93071	(10121008)	671595.46
4342071.54	14.35613 (10121008)			
671663.12	4342056.30	14.61949	(10121008)	671600.94
4342030.09	14.64778 (10121008)			
671526.58	4342155.65	14.04050	(10121008)	671628.98
4342292.19	12.84138 (12111008)			
671641.78	4341980.71	14.55883	(10121008)	671666.77
4342018.51	14.90704 (10121008)			
671407.11	4342219.66	14.82860	(10121008)	671415.64
4342183.08	15.50417 (10121008)			
671635.08	4341706.42	21.87001	(13022308)	671693.59
4341710.08	19.46456 (13022308)			
671719.80	4341736.29	16.59374	(13022308)	671673.48
4341630.23	24.87140 (13022308)			
671888.04	4341936.22	14.85638	(10121008)	671977.64
4341952.07	13.72764 (10121008)			
672039.21	4341894.77	13.31271	(10121008)	671858.17
4341753.96	10.95887 (10121008)			
671922.78	4341634.49	14.21018	(13022308)	671613.74
4341791.15	16.48245 (13022308)			
671853.29	4341730.80	11.51552	(13022308)	671783.81
4341585.73	23.30478 (13022308)			
671783.20	4341546.72	24.43854	(13022308)	671769.18
4341461.38	24.39571 (13022308)			
671800.87	4341420.54	23.26657	(13022308)	671880.11
4341427.25	22.73067 (13022308)			
672012.39	4341504.66	15.70562	(13022308)	672084.31
4341547.94	11.45799 (13022308)			
671915.47	4341478.45	21.48741	(13022308)	671903.28
4341564.40	19.07993 (13022308)			
671863.05	4341522.34	22.41918	(13022308)	671830.13
4341336.43	19.97122 (13022308)			
671835.62	4341287.66	17.31966	(13022308)	671825.87
4341275.47	16.27772 (13022308)			
672136.73	4341370.56	15.77714	(13022308)	671920.34
4341307.17	19.18510 (13022308)			
671695.42	4341257.19	9.78780	(13022308)	671682.01
4341176.12	4.95361 (13022308)			

671991.66	4341196.23	15.57614	(13022308)	672022.14
4341231.59	17.63392	(13022308)		
671992.27	4341177.95	14.14655	(13022308)	671540.60
4341238.29	4.30057	(10072608)		
671575.34	4341177.95	4.35978	(10072608)	671454.65
4341196.23	4.58963	(10072608)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1072

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP15 ***
 INCLUDING SOURCE(S): PAREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

671523.53	4341116.38	4.48337	(10072608)	671413.20
4341126.74	4.56521	(12022509)		
671471.11	4341064.57	4.53048	(12022509)	671601.55
4341050.55	4.39154	(10072608)		
671198.64	4341253.53	5.02576	(12022509)	671278.49
4341212.08	4.84840	(12022509)		
671230.34	4341132.84	4.91589	(12022509)	671073.08
4341271.82	5.15906	(12022509)		
671122.45	4341373.61	5.02727	(12022509)	671118.79
4341397.38	4.95063	(12022509)		
670978.40	4341324.15	5.20205	(12022509)	670932.85
4341394.21	5.41553	(12022509)		
670935.19	4341367.36	5.30567	(12022509)	671108.01
4340976.17	5.09779	(13122109)		
671286.67	4340978.51	4.47600	(11121411)	671675.37
4342488.78	7.11259	(12111009)		
671091.40	4342277.23	20.22107	(10121008)	671051.75
4342332.07	19.63207	(10121008)		
671051.75	4342369.20	18.77315	(10121008)	670953.04
4342360.76	20.88117	(10121008)		
670695.71	4342235.89	36.77473	(13022308)	670545.53
4342318.58	42.67715	(13022308)		

670711.74	4342488.16	22.13950	(10121008)	670648.30
4342501.73	22.66261 (10121008)			
670648.30	4342630.87	18.19321	(12111008)	670806.29
4342728.41	13.72869 (12111009)			
670688.15	4342739.41	14.30090	(12111009)	670804.92
4342427.55	24.00837 (10121008)			
670439.48	4342471.51	31.60096	(13022308)	670358.43
4342578.67	33.48977 (10121008)			
670546.64	4342662.47	21.22522	(12111008)	670537.03
4342595.15	23.16008 (12111008)			
670483.45	4342776.50	16.53895	(12111009)	670508.17
4342754.52	16.01522 (12111008)			
670517.79	4342868.54	18.08696	(12111009)	670545.27
4342850.69	17.79194 (12111009)			
670582.36	4342878.16	16.84823	(12111009)	670304.85
4342688.57	29.30736 (12111008)			
670039.70	4342661.10	55.03379	(13022308)	670156.48
4342673.46	38.41314 (10121008)			
670236.16	4342648.73	35.22922	(10121008)	670071.30
4342738.03	38.00936 (10121008)			
669990.24	4342753.14	42.90040	(10121008)	669928.42
4342742.15	50.50395 (13022308)			
669815.77	4342673.46	78.57410	(13022308)	669742.96
4342655.60	73.62853 (13022308)			
669791.04	4342744.90	67.02412	(13022308)	669696.25
4342731.16	73.56719 (13022308)			
669536.88	4342552.57	80.72513	(10123008)	671174.86
4342280.21	19.48918 (10121008)			
671068.38	4342169.93	18.38044	(10121008)	670965.71
4342179.44	21.58192 (13022308)			
670815.50	4342198.45	34.00801	(13022308)	670737.55
4342097.68	42.23573 (13022308)			
670762.27	4342069.16	41.04090	(13022308)	670817.40
4342040.64	39.86659 (13022308)			
670895.36	4342025.43	38.84142	(13022308)	670979.02
4341915.15	34.82484 (13022308)			
671115.92	4341863.81	33.44915	(13022308)	671199.58
4341770.65	30.22403 (13022308)			
671222.39	4341377.07	4.92831	(10072608)	671714.84
4341392.28	20.17530 (13022308)			
671366.89	4341998.81	13.93469	(10121008)	671226.19
4342236.48	19.43309 (10121008)			
669098.44	4343411.59	734.44851	(11012908)	668908.63
4343364.56	901.61496 (09120808)			
668851.52	4343359.52	891.13276	(13121208)	668831.37
4343371.27	818.84429 (13121208)			
668733.94	4343302.41	1208.24990	(12121508)	668686.91
4343199.95	806.75074 (11121308)			
668671.79	4343089.09	547.30388	(09020408)	668806.17
4343001.74	468.07047 (10020808)			

668918.71	4343025.26	269.68408	(13112708)	669024.53
4342942.95	219.64969	(12021208)		
669288.24	4342916.08	196.75794	(13022308)	669333.59
4342922.80	214.92539	(13022308)		
669365.51	4342978.23	226.80387	(13022308)	669336.95
4343151.23	280.81150	(13012708)		
669303.36	4343304.09	237.93326	(10112508)	669222.73
4343235.22	333.73196	(10112508)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1073

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP15 ***
 INCLUDING SOURCE(S): PAREA3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

669135.39	4343305.77	760.26142	(11010908)	

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1074

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP16 ***
 INCLUDING SOURCE(S): PAREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC	Y-COORD (M) (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)

668148.79	4340781.04	10.20700	(12020323)		668370.10
4340781.04	11.34284	(11010323)			
668591.41	4340781.04	12.40527	(13120803)		668812.72
4340781.04	13.24830	(12021205)			
669034.03	4340781.04	14.60137	(10121507)		669255.34
4340781.04	16.19807	(10013101)			
669476.65	4340781.04	17.84202	(13011407)		669697.96
4340781.04	19.94730	(10121505)			
669919.27	4340781.04	24.76012	(10122707)		670140.58
4340781.04	28.82519	(11022604)			
670361.89	4340781.04	28.01625	(09120721)		670583.20
4340781.04	19.13300	(10010217)			
670804.51	4340781.04	19.49781	(12041321)		671025.82
4340781.04	16.31666	(12081403)			
671247.13	4340781.04	16.61641	(09091204)		671468.44
4340781.04	23.02065	(09011917)			
671689.75	4340781.04	34.39316	(11012701)		671911.06
4340781.04	32.84594	(12090304)			
672132.37	4340781.04	16.66118	(11111217)		672353.68
4340781.04	31.44362	(12092719)			
672574.99	4340781.04	40.92491	(11051920)		668148.79
4340946.00	10.04413	(09010222)			
668370.10	4340946.00	11.25305	(13020523)		668591.41
4340946.00	12.30749	(12020323)			
668812.72	4340946.00	13.34287	(13010219)		669034.03
4340946.00	15.17601	(13120803)			
669255.34	4340946.00	16.64836	(12021205)		669476.65
4340946.00	18.34957	(10121507)			
669697.96	4340946.00	21.00231	(10013101)		669919.27
4340946.00	29.52732	(10012703)			
670140.58	4340946.00	30.61302	(13121304)		670361.89
4340946.00	32.22496	(10123022)			
670583.20	4340946.00	30.58521	(13022703)		670804.51
4340946.00	19.39758	(09041020)			
671025.82	4340946.00	15.36058	(12123004)		671247.13
4340946.00	15.86861	(12121304)			
671468.44	4340946.00	20.26853	(10050306)		671689.75
4340946.00	43.65483	(10090519)			
671911.06	4340946.00	51.96705	(09012801)		672132.37
4340946.00	15.11701	(09111219)			
672353.68	4340946.00	20.74179	(12080720)		672574.99
4340946.00	39.44385	(10081303)			
668148.79	4341110.96	10.20526	(11123024)		668370.10
4341110.96	10.98537	(13012122)			
668591.41	4341110.96	12.53193	(09010402)		668812.72
4341110.96	13.78192	(09010222)			

669034.03	4341110.96	15.33398	(13020523)	669255.34
4341110.96	16.63329	(13010219)		
669476.65	4341110.96	19.09585	(13120803)	669697.96
4341110.96	21.76291	(12021205)		
669919.27	4341110.96	24.83835	(10121507)	670140.58
4341110.96	33.40685	(13011407)		
670361.89	4341110.96	30.03581	(13121304)	670583.20
4341110.96	20.35974	(13010619)		
670804.51	4341110.96	14.44921	(10021608)	671025.82
4341110.96	13.41700	(12121421)		
671247.13	4341110.96	17.72454	(09012522)	671468.44
4341110.96	23.23701	(10050306)		
671689.75	4341110.96	70.56346	(10012623)	671911.06
4341110.96	55.67235	(12121104)		
672132.37	4341110.96	14.15031	(09122205)	672353.68
4341110.96	12.94570	(12081519)		
672574.99	4341110.96	39.74259	(13092802)	668148.79
4341275.92	10.49920	(11123104)		
668370.10	4341275.92	11.44350	(13022805)	668591.41
4341275.92	12.84242	(13120804)		
668812.72	4341275.92	14.40487	(13120804)	669034.03
4341275.92	16.02909	(11123024)		
669255.34	4341275.92	17.71952	(09010402)	669476.65
4341275.92	19.72154	(09010222)		
669697.96	4341275.92	22.38862	(13020523)	669919.27
4341275.92	31.51822	(13010219)		
670140.58	4341275.92	26.80344	(12021205)	670361.89
4341275.92	21.88455	(10020808)		
670583.20	4341275.92	13.72278	(13113005)	670804.51
4341275.92	13.22174	(10030524)		
671025.82	4341275.92	13.12160	(13010608)	671247.13
4341275.92	22.30013	(09012522)		
671468.44	4341275.92	66.32069	(13041906)	671689.75
4341275.92	108.23660	(09012801)		

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 *** 10/04/21

*** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1075

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP16 ***
 INCLUDING SOURCE(S): PAREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)
671911.06	4341275.92	66.80890	(13120120)	672132.37
4341275.92	14.53426 (09010602)			
672353.68	4341275.92	10.44638	(13011917)	672574.99
4341275.92	37.83370 (11121817)			
668148.79	4341440.88	10.59018	(13121023)	668370.10
4341440.88	11.74825 (10013105)			
668591.41	4341440.88	13.06228	(10013105)	668812.72
4341440.88	14.67044 (11120619)			
669034.03	4341440.88	16.31500	(11120619)	669255.34
4341440.88	17.97330 (11123104)			
669476.65	4341440.88	20.27439	(13120804)	669697.96
4341440.88	23.36693 (13120804)			
669919.27	4341440.88	32.03380	(13120804)	670140.58
4341440.88	23.22256 (09020207)			
670361.89	4341440.88	18.22143	(10010704)	670583.20
4341440.88	13.78876 (09011817)			
670804.51	4341440.88	16.67024	(13020806)	671025.82
4341440.88	14.99494 (10021608)			
671689.75	4341440.88	122.51014	(13120120)	671911.06
4341440.88	60.62545 (13080821)			
672132.37	4341440.88	14.22825	(09122206)	672353.68
4341440.88	15.18164 (09050719)			
672574.99	4341440.88	30.04700	(13111501)	668148.79
4341605.84	11.08082 (12020606)			
668370.10	4341605.84	12.15607	(12020403)	668591.41
4341605.84	13.40263 (12020403)			
668812.72	4341605.84	14.82456	(12020403)	669034.03
4341605.84	16.39376 (12020403)			
669255.34	4341605.84	18.33369	(12013107)	669476.65
4341605.84	20.77872 (12013107)			
669697.96	4341605.84	23.79939	(13121023)	669919.27
4341605.84	30.63103 (12020404)			
670140.58	4341605.84	26.69129	(10022420)	670361.89
4341605.84	17.24818 (13021408)			
670583.20	4341605.84	15.86192	(13111504)	670804.51
4341605.84	26.39072 (10101307)			
671025.82	4341605.84	21.62756	(10021503)	671689.75
4341605.84	119.33303 (11120722)			
671911.06	4341605.84	67.71100	(11040519)	672132.37
4341605.84	23.55167 (13122317)			
672353.68	4341605.84	19.86481	(13122317)	672574.99
4341605.84	30.47233 (13122317)			
668148.79	4341770.80	10.90520	(13120722)	668370.10
4341770.80	12.37584 (13120722)			

668591.41	4341770.80	13.30440	(13120722)	668812.72
4341770.80	14.81337	(13120722)		
669034.03	4341770.80	16.67586	(13120722)	669255.34
4341770.80	18.86457	(13120722)		
669476.65	4341770.80	21.33108	(13120722)	669697.96
4341770.80	31.00670	(13020522)		
669919.27	4341770.80	28.55925	(13020522)	670140.58
4341770.80	23.20382	(13081306)		
670361.89	4341770.80	15.94097	(12080206)	670583.20
4341770.80	23.06353	(12080206)		
670804.51	4341770.80	68.75919	(10013107)	671025.82
4341770.80	111.06513	(12121507)		
671689.75	4341770.80	65.35901	(13020407)	671911.06
4341770.80	59.83677	(13020407)		
672132.37	4341770.80	14.45970	(11051019)	672353.68
4341770.80	10.05742	(11081719)		
672574.99	4341770.80	29.14465	(13020407)	668148.79
4341935.76	10.44809	(13020522)		
668370.10	4341935.76	11.76642	(12013105)	668591.41
4341935.76	13.32390	(12013105)		
668812.72	4341935.76	15.00202	(12011605)	669034.03
4341935.76	16.96200	(12011605)		
669255.34	4341935.76	19.12222	(12011605)	669476.65
4341935.76	28.57181	(13021724)		
669697.96	4341935.76	24.88462	(11022224)	669919.27
4341935.76	17.08527	(13031906)		
670140.58	4341935.76	17.36802	(09060203)	670361.89
4341935.76	20.17090	(12050206)		
670583.20	4341935.76	50.96911	(13120721)	670804.51
4341935.76	70.31815	(10012405)		
671468.44	4341935.76	45.01104	(12011417)	671689.75
4341935.76	30.18082	(10082519)		
671911.06	4341935.76	37.43124	(09051204)	672132.37
4341935.76	12.17485	(11081519)		
672353.68	4341935.76	8.30784	(12032519)	672574.99
4341935.76	33.47839	(12090801)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1076

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP16 ***
 INCLUDING SOURCE(S): PAREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4342100.72	10.62994	(10013107)	668370.10
4342100.72	12.11617	(09121706)		
668591.41	4342100.72	13.64076	(11022224)	668812.72
4342100.72	15.15764	(11022224)		
669034.03	4342100.72	16.99196	(11010403)	669255.34
4342100.72	19.15911	(12121507)		
669476.65	4342100.72	28.26403	(09121623)	669697.96
4342100.72	31.21952	(12121918)		
669919.27	4342100.72	31.87458	(13022505)	670140.58
4342100.72	25.12081	(13032105)		
670361.89	4342100.72	49.36886	(10012405)	670583.20
4342100.72	50.26719	(10121606)		
671468.44	4342100.72	23.25386	(13012605)	671689.75
4342100.72	19.43082	(11081119)		
671911.06	4342100.72	28.71173	(11121722)	672132.37
4342100.72	15.85223	(10112508)		
672353.68	4342100.72	9.83186	(13012818)	672574.99
4342100.72	32.85163	(11012804)		
668148.79	4342265.68	10.75202	(11010403)	668370.10
4342265.68	12.24306	(12121507)		
668591.41	4342265.68	12.92890	(12121507)	668812.72
4342265.68	14.37885	(09121623)		
669034.03	4342265.68	16.14802	(12121918)	669255.34
4342265.68	18.64012	(10020203)		
669476.65	4342265.68	21.40143	(09010221)	669697.96
4342265.68	25.05911	(13120721)		
669919.27	4342265.68	29.08489	(10121602)	670140.58
4342265.68	34.71211	(12123123)		
670361.89	4342265.68	41.52805	(13120522)	670583.20
4342265.68	51.19836	(10021902)		
670804.51	4342265.68	76.04677	(10012404)	671025.82
4342265.68	126.86068	(13021624)		
671247.13	4342265.68	136.39549	(09022106)	671468.44
4342265.68	26.37007	(12011417)		
671689.75	4342265.68	22.52069	(10100218)	671911.06
4342265.68	21.66044	(12042219)		
672132.37	4342265.68	28.21137	(11022219)	672353.68
4342265.68	23.09237	(09060505)		
672574.99	4342265.68	26.28330	(10011503)	668148.79
4342430.64	10.00483	(09121623)		
668370.10	4342430.64	11.58313	(12121918)	668591.41
4342430.64	12.05841	(10020203)		

668812.72	4342430.64	13.18237	(09010221)	669034.03
4342430.64	14.60043 (13022505)			
669255.34	4342430.64	16.58404	(11121806)	669476.65
4342430.64	20.08129 (10012405)			
669697.96	4342430.64	23.07727	(12123123)	669919.27
4342430.64	27.51502 (10121606)			
670140.58	4342430.64	32.22335	(10012403)	670361.89
4342430.64	38.94295 (09122606)			
670583.20	4342430.64	53.96734	(10012404)	670804.51
4342430.64	75.67930 (09021924)			
671025.82	4342430.64	123.56893	(13021802)	671247.13
4342430.64	33.09929 (10032124)			
671468.44	4342430.64	21.62600	(12101007)	671689.75
4342430.64	17.86111 (09112608)			
671911.06	4342430.64	18.08534	(12063021)	672132.37
4342430.64	27.11530 (13082820)			
672353.68	4342430.64	28.53238	(11022219)	672574.99
4342430.64	24.74200 (12013023)			
668148.79	4342595.60	10.12355	(09010221)	668370.10
4342595.60	10.86745 (13022505)			
668591.41	4342595.60	11.90488	(13120721)	668812.72
4342595.60	13.04932 (10121602)			
669034.03	4342595.60	14.59414	(10012405)	669255.34
4342595.60	16.60703 (12123123)			
669476.65	4342595.60	18.40738	(13020221)	669697.96
4342595.60	22.74668 (13120522)			
669919.27	4342595.60	25.63238	(10021902)	670140.58
4342595.60	31.45550 (12012907)			
670361.89	4342595.60	40.01221	(10012404)	670583.20
4342595.60	47.28605 (13121803)			
670804.51	4342595.60	82.82054	(10011505)	671025.82
4342595.60	102.14490 (13020304)			
671247.13	4342595.60	60.32097	(13081505)	671468.44
4342595.60	16.06641 (10122221)			
671689.75	4342595.60	11.32668	(11030623)	671911.06
4342595.60	10.51051 (10021018)			
672132.37	4342595.60	15.97280	(12063021)	672353.68
4342595.60	30.97958 (13082820)			

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1077

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP16 ***
 INCLUDING SOURCE(S): PAREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672574.99	4342595.60	22.82377	(11022219)	668148.79
4342760.56	10.31999	(11121806)		
668370.10	4342760.56	11.35302	(10121602)	668591.41
4342760.56	12.01848	(10012405)		
668812.72	4342760.56	13.34645	(12123123)	669034.03
4342760.56	15.12881	(13020221)		
669255.34	4342760.56	17.14700	(11010901)	669476.65
4342760.56	18.77134	(10012403)		
669697.96	4342760.56	23.23687	(10021902)	669919.27
4342760.56	26.24091	(11122703)		
670140.58	4342760.56	41.61404	(10012404)	670361.89
4342760.56	54.91606	(09120602)		
670583.20	4342760.56	42.53348	(10072903)	670804.51
4342760.56	60.57639	(11121801)		
671025.82	4342760.56	60.67530	(10080601)	671247.13
4342760.56	22.45471	(10032124)		
671468.44	4342760.56	14.32248	(09122821)	671689.75
4342760.56	11.37142	(09060521)		
671911.06	4342760.56	8.35823	(11081319)	672132.37
4342760.56	10.75255	(12063021)		
672353.68	4342760.56	31.06007	(12022605)	672574.99
4342760.56	25.50546	(13071420)		
668148.79	4342925.52	10.25293	(10012405)	668370.10
4342925.52	11.15546	(12123123)		
668591.41	4342925.52	12.30618	(14010203)	668812.72
4342925.52	13.36015	(10121606)		
669034.03	4342925.52	14.84809	(13120522)	669476.65
4342925.52	18.25159	(09012704)		
669697.96	4342925.52	22.11891	(09120807)	669919.27
4342925.52	31.72885	(10012404)		
670140.58	4342925.52	45.69244	(13020224)	670361.89
4342925.52	52.13711	(09021924)		
670583.20	4342925.52	58.85337	(11011221)	670804.51
4342925.52	71.24653	(13112603)		
671025.82	4342925.52	19.49047	(13070422)	671247.13
4342925.52	18.69212	(09092801)		
671468.44	4342925.52	11.26485	(09122821)	671689.75
4342925.52	9.75635	(10020119)		
671911.06	4342925.52	7.89837	(13011004)	672132.37
4342925.52	6.74276	(10021018)		

672353.68	4342925.52	13.91001	(12063021)	672574.99
4342925.52	26.10267 (12022605)			
668148.79	4343090.48	9.57425	(14010203)	668370.10
4343090.48	10.47413 (10121606)			
668591.41	4343090.48	12.12566	(11010901)	669476.65
4343090.48	17.34261 (09120807)			
669697.96	4343090.48	20.32511	(10012404)	669919.27
4343090.48	23.79763 (11021306)			
670140.58	4343090.48	33.23392	(13022504)	670361.89
4343090.48	31.11387 (13021803)			
670583.20	4343090.48	34.31052	(11121801)	670804.51
4343090.48	55.22558 (13020304)			
671025.82	4343090.48	16.52257	(13082205)	671247.13
4343090.48	14.75081 (12041023)			
671468.44	4343090.48	10.33397	(10050506)	671689.75
4343090.48	8.30237 (10052805)			
671911.06	4343090.48	7.00716	(09021120)	672132.37
4343090.48	6.24483 (09102701)			
672353.68	4343090.48	5.34253	(10030721)	672574.99
4343090.48	7.79856 (12063021)			
668148.79	4343255.44	9.49859	(10121606)	668370.10
4343255.44	10.35406 (13120522)			
668591.41	4343255.44	11.47188	(12122805)	669476.65
4343255.44	17.29162 (10012404)			
669697.96	4343255.44	19.44408	(13120520)	669919.27
4343255.44	22.25037 (13120521)			
670140.58	4343255.44	25.05535	(13021807)	670361.89
4343255.44	27.43666 (11011221)			
670583.20	4343255.44	29.16575	(10021822)	670804.51
4343255.44	32.92323 (10021819)			
671025.82	4343255.44	15.35064	(13082205)	671247.13
4343255.44	11.97551 (10122222)			
671468.44	4343255.44	10.33462	(10050506)	671689.75
4343255.44	7.32928 (13031822)			
671911.06	4343255.44	6.28610	(13050605)	672132.37
4343255.44	5.83043 (13050520)			
672353.68	4343255.44	5.42223	(10021018)	672574.99
4343255.44	4.54343 (11032104)			
668148.79	4343420.40	9.75278	(10012403)	668370.10
4343420.40	10.33734 (12122805)			

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1078

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SRCGP16 ***

INCLUDING SOURCE(S): PAREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668591.41	4343420.40	10.62354	(09012704)	668812.72
4343420.40	11.67671	(09122606)		
669034.03	4343420.40	12.78269	(09120807)	669255.34
4343420.40	13.93468	(10012404)		
669476.65	4343420.40	15.44503	(13120520)	669697.96
4343420.40	18.53847	(09120602)		
669919.27	4343420.40	20.34861	(11122602)	670140.58
4343420.40	21.63797	(13021803)		
670361.89	4343420.40	23.76784	(10121220)	670583.20
4343420.40	25.29644	(09031404)		
670804.51	4343420.40	28.86586	(12122804)	671025.82
4343420.40	40.93565	(12030323)		
671247.13	4343420.40	18.75505	(09020506)	671468.44
4343420.40	8.98253	(10050506)		
671689.75	4343420.40	7.04132	(12031904)	671911.06
4343420.40	5.72884	(09060521)		
672132.37	4343420.40	5.15985	(13011004)	672353.68
4343420.40	4.56281	(09040302)		
672574.99	4343420.40	4.17335	(11052220)	668148.79
4343585.36	9.95806	(10021902)		
668370.10	4343585.36	10.32532	(09012704)	668591.41
4343585.36	10.58108	(12012907)		
668812.72	4343585.36	11.80148	(09120807)	669034.03
4343585.36	12.93743	(10012404)		
669255.34	4343585.36	14.02185	(13120520)	669476.65
4343585.36	15.25741	(09120602)		
669697.96	4343585.36	16.16586	(13022504)	669919.27
4343585.36	17.77220	(09011922)		
670140.58	4343585.36	19.58874	(11011221)	670361.89
4343585.36	21.48275	(09120805)		
670583.20	4343585.36	22.91999	(13020304)	670804.51
4343585.36	24.99381	(11010908)		
671025.82	4343585.36	26.00894	(12010922)	671247.13
4343585.36	20.38623	(09010118)		
671468.44	4343585.36	11.12107	(10050506)	671689.75
4343585.36	8.14776	(12031904)		
671911.06	4343585.36	6.10124	(10020119)	672132.37
4343585.36	5.35546	(09021120)		

672353.68	4343585.36	4.45797	(11081319)	672574.99
4343585.36	4.19513 (10021018)			
668148.79	4343750.32	9.38875	(09012704)	668370.10
4343750.32	10.22304 (12012907)			
668591.41	4343750.32	10.95029	(09120807)	668812.72
4343750.32	11.57476 (10012404)			
669034.03	4343750.32	13.02034	(12021920)	669255.34
4343750.32	13.95855 (13020224)			
669476.65	4343750.32	14.70027	(11010402)	669697.96
4343750.32	15.61480 (13021807)			
669919.27	4343750.32	16.75858	(13021624)	670140.58
4343750.32	18.17518 (09010721)			
670361.89	4343750.32	19.99548	(10021822)	670583.20
4343750.32	20.72525 (13020304)			
670804.51	4343750.32	21.81691	(11010908)	671025.82
4343750.32	22.42448 (12010922)			
671247.13	4343750.32	26.27380	(13010421)	671468.44
4343750.32	26.91981 (09121001)			
671689.75	4343750.32	28.20010	(10052101)	671911.06
4343750.32	16.23420 (11121121)			
672132.37	4343750.32	6.60940	(11030623)	672353.68
4343750.32	4.94671 (09122822)			
672574.99	4343750.32	4.51721	(09040302)	668148.79
4343915.28	8.95473 (11122703)			
668370.10	4343915.28	9.96019	(09120807)	668591.41
4343915.28	10.76845 (10012404)			
668812.72	4343915.28	11.52931	(12021920)	669034.03
4343915.28	12.50114 (11021306)			
669255.34	4343915.28	13.58547	(13120521)	669476.65
4343915.28	14.27888 (09021924)			
669697.96	4343915.28	14.90064	(10120202)	669919.27
4343915.28	15.82448 (11011221)			
670140.58	4343915.28	17.22239	(09120805)	670361.89
4343915.28	17.96813 (09031404)			
670583.20	4343915.28	19.33297	(12122804)	670804.51
4343915.28	19.89709 (09020202)			
671025.82	4343915.28	20.14763	(12010922)	671247.13
4343915.28	20.31001 (13010421)			
671468.44	4343915.28	25.69695	(09121001)	671689.75
4343915.28	25.86829 (12021921)			
671911.06	4343915.28	13.58035	(11121121)	672132.37
4343915.28	11.38878 (13090121)			

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*** AERMET - VERSION 14134 *** ***
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP16 ***
INCLUDING SOURCE(S): PAREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672353.68	4343915.28	7.96102	(13093018)	672574.99
4343915.28	6.11933	(09112608)		
668148.79	4344080.24	8.89399	(09120807)	668370.10
4344080.24	9.52724	(10012404)		
668591.41	4344080.24	10.36415	(12021920)	668812.72
4344080.24	11.18925	(11021306)		
669034.03	4344080.24	12.09144	(13120521)	669255.34
4344080.24	12.91261	(13022504)		
669476.65	4344080.24	13.46714	(09011922)	669697.96
4344080.24	14.20089	(13021624)		
669919.27	4344080.24	15.10190	(09010721)	670140.58
4344080.24	16.53557	(09010722)		
670361.89	4344080.24	16.53786	(12111201)	670583.20
4344080.24	17.76526	(12122804)		
670804.51	4344080.24	18.35934	(09022106)	671025.82
4344080.24	28.86039	(13081505)		
671247.13	4344080.24	18.67569	(13010421)	671468.44
4344080.24	16.04554	(09121001)		
671689.75	4344080.24	16.79865	(12021921)	671911.06
4344080.24	6.40735	(10052805)		
672132.37	4344080.24	5.32685	(09060521)	672353.68
4344080.24	5.27637	(09021120)		
672574.99	4344080.24	4.66214	(09112608)	671464.71
4342094.27	24.29906	(13012605)		
671482.23	4342063.91	25.02516	(10020119)	671498.58
4342030.05	25.14595	(13050605)		
671513.75	4341991.52	26.43330	(09021120)	671541.78
4341964.66	25.90212	(11081319)		
671575.64	4341974.00	21.84838	(10122217)	671460.75
4342162.97	22.46949	(12031904)		
671451.00	4342187.35	23.12530	(10121422)	671510.73
4342219.66	21.54137	(10020119)		
671524.14	4342192.84	19.99127	(13050605)	671522.92
4342250.74	22.34381	(10040319)		
671599.11	4342252.57	21.04180	(09112608)	671627.76
4342256.84	21.66401	(09112608)		

671583.88	4342116.03	15.66786	(10021018)	671595.46
4342071.54	15.55629 (10030721)			
671663.12	4342056.30	17.99849	(10122217)	671600.94
4342030.09	17.56807 (10021919)			
671526.58	4342155.65	18.32307	(13050605)	671628.98
4342292.19	22.90908 (09112608)			
671641.78	4341980.71	20.98479	(13012706)	671666.77
4342018.51	19.67653 (13012706)			
671407.11	4342219.66	28.42904	(10050506)	671415.64
4342183.08	27.54081 (09122821)			
671635.08	4341706.42	105.21634	(13122317)	671693.59
4341710.08	98.61876 (12013019)			
671719.80	4341736.29	90.26932	(13020407)	671673.48
4341630.23	121.36843 (11120722)			
671888.04	4341936.22	41.70035	(09051204)	671977.64
4341952.07	25.95755 (11012804)			
672039.21	4341894.77	18.24555	(11082019)	671858.17
4341753.96	72.21498 (13020407)			
671922.78	4341634.49	64.15298	(13122317)	671613.74
4341791.15	53.30347 (12101401)			
671853.29	4341730.80	73.84282	(13020407)	671783.81
4341585.73	92.28053 (11120722)			
671783.20	4341546.72	93.52409	(12041421)	671769.18
4341461.38	95.49049 (09042621)			
671800.87	4341420.54	95.70619	(09042621)	671880.11
4341427.25	73.88928 (12051524)			
672012.39	4341504.66	19.55415	(09050719)	672084.31
4341547.94	21.85439 (13120717)			
671915.47	4341478.45	59.09992	(11032902)	671903.28
4341564.40	69.35507 (10091419)			
671863.05	4341522.34	83.13125	(11121817)	671830.13
4341336.43	97.22826 (13120120)			
671835.62	4341287.66	96.06385	(10031019)	671825.87
4341275.47	99.55446 (12123124)			
672136.73	4341370.56	13.13638	(13011917)	671920.34
4341307.17	52.53163 (11092622)			
671695.42	4341257.19	100.43955	(12121501)	671682.01
4341176.12	65.83475 (09060721)			
671991.66	4341196.23	52.23101	(13120120)	672022.14
4341231.59	37.85113 (11092622)			
671992.27	4341177.95	39.94636	(12092719)	671540.60
4341238.29	35.26077 (13011817)			
671575.34	4341177.95	29.50197	(13011817)	671454.65
4341196.23	29.58601 (09032507)			
▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc				
	***	10/04/21		
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP16 ***

INCLUDING SOURCE(S): PAREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
671523.53	4341116.38	24.77634	(09100407)	671413.20
4341126.74	24.86368	(09011917)		
671471.11	4341064.57	22.44461	(10050306)	671601.55
4341050.55	37.19971	(11012701)		
671198.64	4341253.53	17.28268	(12123006)	671278.49
4341212.08	21.63511	(12121304)		
671230.34	4341132.84	16.92291	(09012522)	671073.08
4341271.82	13.39580	(12012405)		
671122.45	4341373.61	17.12462	(12121421)	671118.79
4341397.38	17.73710	(12012405)		
670978.40	4341324.15	13.27710	(10021923)	670932.85
4341394.21	14.18622	(12022721)		
670935.19	4341367.36	13.91000	(12022721)	671108.01
4340976.17	14.90221	(12121420)		
671286.67	4340978.51	16.67084	(09042423)	671675.37
4342488.78	14.81150	(09021120)		
671091.40	4342277.23	145.30864	(09120805)	671051.75
4342332.07	109.33630	(11121801)		
671051.75	4342369.20	122.22924	(13020201)	670953.04
4342360.76	111.81478	(13021624)		
670695.71	4342235.89	61.80757	(09122606)	670545.53
4342318.58	49.73907	(09122606)		
670711.74	4342488.16	76.43256	(11010402)	670648.30
4342501.73	62.25468	(09120602)		
670648.30	4342630.87	30.71532	(10101722)	670806.29
4342728.41	60.34046	(11121801)		
670688.15	4342739.41	28.11444	(11100219)	670804.92
4342427.55	75.96893	(09021924)		
670439.48	4342471.51	44.20776	(09120807)	670358.43
4342578.67	39.96490	(10012404)		
670546.64	4342662.47	57.39595	(11010402)	670537.03
4342595.15	55.62392	(09120602)		
670483.45	4342776.50	53.98585	(09021924)	670508.17
4342754.52	53.50493	(09021924)		

670517.79	4342868.54	56.43040	(10120202)	670545.27
4342850.69	49.97938 (09020308)			
670582.36	4342878.16	55.97744	(13021624)	670304.85
4342688.57	36.92288 (12021920)			
670039.70	4342661.10	28.56072	(12012907)	670156.48
4342673.46	32.30899 (09120807)			
670236.16	4342648.73	34.96072	(09021923)	670071.30
4342738.03	29.78712 (13020305)			
669990.24	4342753.14	28.01830	(09120807)	669928.42
4342742.15	26.29210 (12012907)			
669815.77	4342673.46	25.06408	(10021902)	669742.96
4342655.60	24.23035 (12122805)			
669791.04	4342744.90	24.23399	(09012704)	669696.25
4342731.16	23.50971 (10021902)			
669536.88	4342552.57	19.01053	(13020221)	671174.86
4342280.21	166.41458 (12122804)			
671068.38	4342169.93	227.96040	(13021807)	670965.71
4342179.44	122.28944 (12021920)			
670815.50	4342198.45	72.78042	(09120807)	670737.55
4342097.68	59.86246 (12122805)			
670762.27	4342069.16	61.82600	(10012403)	670817.40
4342040.64	67.60615 (12122805)			
670895.36	4342025.43	77.48886	(10021902)	670979.02
4341915.15	94.09544 (13120522)			
671115.92	4341863.81	143.71273	(12122805)	671199.58
4341770.65	207.23806 (10012405)			
671222.39	4341377.07	27.64022	(12050719)	671714.84
4341392.28	118.90817 (12123124)			
671366.89	4341998.81	186.40306	(11121418)	671226.19
4342236.48	168.48798 (09020202)			
669098.44	4343411.59	12.98650	(09120807)	668908.63
4343364.56	12.10359 (12012907)			
668851.52	4343359.52	11.88522	(09122606)	668831.37
4343371.27	11.76252 (09122606)			
668733.94	4343302.41	11.76520	(10021902)	668686.91
4343199.95	12.07758 (12122805)			
668671.79	4343089.09	12.32029	(13120522)	668806.17
4343001.74	13.02473 (11010901)			
668918.71	4343025.26	13.78109	(10012403)	669024.53
4342942.95	14.64695 (13120522)			
669288.24	4342916.08	16.87656	(12122805)	669333.59
4342922.80	17.19840 (10021902)			
669365.51	4342978.23	16.75227	(09012704)	669336.95
4343151.23	15.69886 (11122703)			
669303.36	4343304.09	14.98867	(13020305)	669222.73
4343235.22	14.54925 (11122703)			
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	***	10/04/21		
*** AERMET - VERSION 14134 *** ***				
	***	13:59:48		

PAGE 1081

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP16 ***

INCLUDING SOURCE(S): PAREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
669135.39	4343305.77	13.53080	(11122703)	

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 1082

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 , STCK1

, STCK2	, STCK3	, STCK4	, STCK5	, STCK6	, STCK7	, STCK8	, STCK9
, STCK10	, L0000555	, L0000556	, L0000557	, L0000558	, L0000559	, L0000560	, L0000561
, L0000562	, L0000563	, L0000564	, L0000565	, L0000566	, L0000567	, L0000568	, L0000569
, L0000570	, L0000571	, . . .					

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668148.79	4340781.04	89.09072	(11120408)	668370.10

4340781.04	92.10272	(13121008)	
668591.41	4340781.04	90.55799	(13121008) 668812.72
4340781.04	90.26470	(09122317)	
669034.03	4340781.04	99.97904	(10020808) 669255.34
4340781.04	109.57947	(11020218)	
669476.65	4340781.04	117.91633	(10010719) 669697.96
4340781.04	129.17347	(12011319)	
669919.27	4340781.04	215.38113	(13013119) 670140.58
4340781.04	233.29455	(10121519)	
670361.89	4340781.04	214.39253	(09012019) 670583.20
4340781.04	148.74436	(13020408)	
670804.51	4340781.04	154.84039	(11012619) 671025.82
4340781.04	140.13320	(12050719)	
671247.13	4340781.04	137.59878	(10102519) 671468.44
4340781.04	204.36049	(09011917)	
671689.75	4340781.04	324.32330	(11033119) 671911.06
4340781.04	325.55787	(11123117)	
672132.37	4340781.04	191.22737	(13092719) 672353.68
4340781.04	327.17323	(12092719)	
672574.99	4340781.04	326.15976	(12091119) 668148.79
4340946.00	112.88419	(11120408)	
668370.10	4340946.00	159.51232	(13121008) 668591.41
4340946.00	152.14856	(13121008)	
668812.72	4340946.00	115.34061	(11122708) 669034.03
4340946.00	102.08309	(12010418)	
669255.34	4340946.00	111.82052	(09122317) 669476.65
4340946.00	121.95104	(10020808)	
669697.96	4340946.00	155.27263	(11020218) 669919.27
4340946.00	244.70397	(10010719)	
670140.58	4340946.00	261.93643	(12011319) 670361.89
4340946.00	249.96128	(10121519)	
670583.20	4340946.00	226.15258	(09012019) 670804.51
4340946.00	153.05819	(09011017)	
671025.82	4340946.00	130.84239	(12050719) 671247.13
4340946.00	126.32927	(11102617)	
671468.44	4340946.00	181.51643	(09011917) 671689.75
4340946.00	376.98523	(11090819)	
671911.06	4340946.00	473.40976	(12092819) 672132.37
4340946.00	172.68074	(09010817)	
672353.68	4340946.00	225.87028	(12091119) 672574.99
4340946.00	369.70628	(10091119)	
668148.79	4341110.96	149.73668	(11120408) 668370.10
4341110.96	189.14590	(13121008)	
668591.41	4341110.96	167.43093	(13121008) 668812.72
4341110.96	110.66327	(13121008)	
669034.03	4341110.96	111.57395	(11122708) 669255.34
4341110.96	115.58353	(12011208)	
669476.65	4341110.96	125.27999	(12011208) 669697.96
4341110.96	172.67371	(12010418)	
669919.27	4341110.96	164.29250	(11020218) 670140.58

4341110.96	268.81457	(11020218)		
670361.89	4341110.96	235.07363	(12011319)	670583.20
4341110.96	160.62567	(12122717)		
670804.51	4341110.96	117.92823	(11021919)	671025.82
4341110.96	103.68078	(12050719)		
671247.13	4341110.96	148.57958	(11102617)	671468.44
4341110.96	204.32590	(13012519)		
671689.75	4341110.96	546.74092	(10021518)	671911.06
4341110.96	505.37897	(10091519)		
672132.37	4341110.96	153.50953	(10110117)	672353.68
4341110.96	150.48312	(13022308)		
672574.99	4341110.96	346.78295	(10091119)	668148.79
4341275.92	204.38564	(11120408)		
668370.10	4341275.92	165.79851	(13121008)	668591.41
4341275.92	151.26762	(13121008)		
668812.72	4341275.92	102.28465	(09012008)	669034.03
4341275.92	112.42930	(09012008)		
669255.34	4341275.92	120.05100	(13020419)	669476.65
4341275.92	130.89295	(12011208)		
669697.96	4341275.92	147.50010	(12011208)	669919.27
4341275.92	266.74736	(13010219)		
670140.58	4341275.92	207.37748	(11122718)	670361.89
4341275.92	177.78539	(10111517)		
670583.20	4341275.92	119.53097	(13112708)	670804.51
4341275.92	112.65204	(09011017)		
671025.82	4341275.92	108.21886	(11021919)	671247.13
4341275.92	181.95648	(11102617)		
671468.44	4341275.92	558.68963	(12110318)	671689.75
4341275.92	869.83654	(10090919)		

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 *** 10/04/21
 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1083

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 , STCK1
 , STCK2 , STCK3 , STCK4 ,
 STCK5 , STCK6 , STCK7 , STCK8 , STCK9
 , STCK10 , L0000555 , L0000556 ,
 L0000557 , L0000558 , L0000559 , L0000560 , L0000561
 , L0000562 , L0000563 , L0000564 ,
 L0000565 , L0000566 , L0000567 , L0000568 , L0000569
 , L0000570 , L0000571 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
671911.06	4341275.92	657.73958	(12092719)	672132.37
4341275.92	182.12725	(13022308)		
672353.68	4341275.92	142.36958	(13022308)	672574.99
4341275.92	327.02596	(09100818)		
668148.79	4341440.88	236.04576	(11120408)	668370.10
4341440.88	153.45070	(11120408)		
668591.41	4341440.88	136.18932	(13121008)	668812.72
4341440.88	101.98557	(09121708)		
669034.03	4341440.88	114.33167	(09121708)	669255.34
4341440.88	124.75788	(09121708)		
669476.65	4341440.88	137.56606	(09121708)	669697.96
4341440.88	154.82764	(09012008)		
669919.27	4341440.88	254.91783	(09121708)	670140.58
4341440.88	184.29157	(09012008)		
670361.89	4341440.88	155.84285	(12020808)	670583.20
4341440.88	117.21568	(11121208)		
670804.51	4341440.88	144.58620	(11011819)	671025.82
4341440.88	124.26317	(10010618)		
671689.75	4341440.88	853.37845	(10031019)	671911.06
4341440.88	541.63701	(11100718)		
672132.37	4341440.88	172.82870	(13022308)	672353.68
4341440.88	153.61365	(13042619)		
672574.99	4341440.88	239.93708	(11040519)	668148.79
4341605.84	157.38018	(13012808)		
668370.10	4341605.84	104.80523	(13012808)	668591.41
4341605.84	97.21183	(09020208)		
668812.72	4341605.84	104.99313	(09020208)	669034.03
4341605.84	113.90995	(09020208)		
669255.34	4341605.84	124.41820	(09020208)	669476.65
4341605.84	138.17069	(11120619)		
669697.96	4341605.84	189.14902	(09020319)	669919.27
4341605.84	236.60688	(09020319)		
670140.58	4341605.84	206.15603	(09020208)	670361.89
4341605.84	142.66414	(09020208)		
670583.20	4341605.84	136.77418	(13021408)	670804.51
4341605.84	217.83285	(11120619)		
671025.82	4341605.84	206.42367	(13020608)	671689.75
4341605.84	813.53217	(10091419)		
671911.06	4341605.84	549.13212	(11090519)	672132.37
4341605.84	243.45916	(09100818)		
672353.68	4341605.84	200.34457	(10010517)	672574.99
4341605.84	205.61470	(12013019)		

668148.79	4341770.80	264.80980	(13012808)	668370.10
4341770.80	94.24730	(11120408)		
668591.41	4341770.80	124.59700	(13121008)	668812.72
4341770.80	109.05430	(13121008)		
669034.03	4341770.80	117.71224	(09020408)	669255.34
4341770.80	131.19297	(09123019)		
669476.65	4341770.80	191.63936	(09020408)	669697.96
4341770.80	260.12464	(10010608)		
669919.27	4341770.80	215.42999	(10010608)	670140.58
4341770.80	179.42268	(12011408)		
670361.89	4341770.80	126.94682	(10111517)	670583.20
4341770.80	193.83994	(13020108)		
670804.51	4341770.80	472.70838	(12010519)	671025.82
4341770.80	708.20672	(12121918)		
671689.75	4341770.80	631.26294	(11090519)	671911.06
4341770.80	485.68168	(10091419)		
672132.37	4341770.80	140.01881	(10091419)	672353.68
4341770.80	100.05615	(09012017)		
672574.99	4341770.80	187.87898	(13122719)	668148.79
4341935.76	196.91636	(12120808)		
668370.10	4341935.76	294.47566	(11120408)	668591.41
4341935.76	139.88280	(11120408)		
668812.72	4341935.76	111.88590	(10010608)	669034.03
4341935.76	122.60686	(10010608)		
669255.34	4341935.76	184.24152	(12011408)	669476.65
4341935.76	248.29070	(11122419)		
669697.96	4341935.76	188.86260	(12010519)	669919.27
4341935.76	131.10453	(11121308)		
670140.58	4341935.76	132.94750	(11121308)	670361.89
4341935.76	149.50634	(11122619)		
670583.20	4341935.76	343.19735	(10123118)	670804.51
4341935.76	457.67376	(13122708)		
671468.44	4341935.76	399.95552	(13050219)	671689.75
4341935.76	307.02315	(11083119)		
671911.06	4341935.76	325.92650	(13090719)	672132.37
4341935.76	111.60382	(09092318)		
672353.68	4341935.76	76.67299	(09092318)	672574.99
4341935.76	275.83321	(13042019)		

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 *** 10/04/21

*** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 1084

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 , STCK1
 , STCK2 , STCK3 , STCK4 ,

	STCK5	, STCK6	, STCK7	, STCK8	, STCK9
, STCK10	, L0000555	, L0000556	,		
	L0000557	, L0000558	, L0000559	, L0000560	, L0000561
, L0000562	, L0000563	, L0000564	,		
	L0000565	, L0000566	, L0000567	, L0000568	, L0000569
, L0000570	, L0000571	, . . .	,		

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

668148.79	4342100.72	286.85938	(12120808)	668370.10
4342100.72	200.83355	(13012808)		
668591.41	4342100.72	102.80920	(13020108)	668812.72
4342100.72	112.91470	(13020108)		
669034.03	4342100.72	124.38548	(13020108)	669255.34
4342100.72	153.89636	(11121308)		
669476.65	4342100.72	260.63929	(11121308)	669697.96
4342100.72	247.33896	(12121918)		
669919.27	4342100.72	234.10604	(10112518)	670140.58
4342100.72	183.58298	(10123118)		
670361.89	4342100.72	424.12212	(12011408)	670583.20
4342100.72	392.20499	(11121308)		
671468.44	4342100.72	190.41443	(11030418)	671689.75
4342100.72	162.64081	(09051119)		
671911.06	4342100.72	231.27784	(13031619)	672132.37
4342100.72	134.98571	(11082219)		
672353.68	4342100.72	87.60320	(13012818)	672574.99
4342100.72	272.22291	(12011618)		
668148.79	4342265.68	381.55772	(12120808)	668370.10
4342265.68	178.67027	(11011508)		
668591.41	4342265.68	294.97142	(11120408)	668812.72
4342265.68	244.39076	(13121008)		
669034.03	4342265.68	206.48595	(11122708)	669255.34
4342265.68	142.23267	(11121308)		
669476.65	4342265.68	157.96128	(11121308)	669697.96
4342265.68	203.26431	(12020919)		
669919.27	4342265.68	222.31770	(13122708)	670140.58
4342265.68	339.74926	(11121308)		
670361.89	4342265.68	376.09697	(13122708)	670583.20
4342265.68	599.85110	(12121508)		
670804.51	4342265.68	771.30663	(11122608)	671025.82
4342265.68	1119.18450	(09122608)		
671247.13	4342265.68	1029.38228	(12091419)	671468.44

4342265.68	197.30948	(12100218)		
671689.75	4342265.68	181.86017	(09112608)	671911.06
4342265.68	174.14233	(13100718)		
672132.37	4342265.68	214.56392	(11083019)	672353.68
4342265.68	183.38517	(11022219)		
672574.99	4342265.68	159.73793	(12011618)	668148.79
4342430.64	263.09524	(10122708)		
668370.10	4342430.64	416.62594	(12120808)	668591.41
4342430.64	320.45111	(13012808)		
668812.72	4342430.64	338.27384	(13121008)	669034.03
4342430.64	378.08172	(11122708)		
669255.34	4342430.64	317.71963	(11122708)	669476.65
4342430.64	160.31162	(13122708)		
669697.96	4342430.64	203.16965	(13122708)	669919.27
4342430.64	239.84689	(13122708)		
670140.58	4342430.64	336.65160	(14010208)	670361.89
4342430.64	582.04500	(13123008)		
670583.20	4342430.64	653.02745	(11122608)	670804.51
4342430.64	974.25929	(13020619)		
671025.82	4342430.64	1258.17547	(09121008)	671247.13
4342430.64	279.67782	(11012908)		
671468.44	4342430.64	173.56237	(12011417)	671689.75
4342430.64	138.21557	(13093018)		
671911.06	4342430.64	142.95352	(13082319)	672132.37
4342430.64	210.44424	(10101519)		
672353.68	4342430.64	238.91489	(11022219)	672574.99
4342430.64	136.30848	(11022219)		
668148.79	4342595.60	304.30813	(12011608)	668370.10
4342595.60	338.25342	(10122708)		
668591.41	4342595.60	372.94387	(12120808)	668812.72
4342595.60	409.17340	(13012808)		
669034.03	4342595.60	475.06549	(11122708)	669255.34
4342595.60	366.81989	(11122708)		
669476.65	4342595.60	276.86022	(13122708)	669697.96
4342595.60	378.12530	(13122708)		
669919.27	4342595.60	367.26066	(14010208)	670140.58
4342595.60	405.11183	(11122608)		
670361.89	4342595.60	308.27453	(13121208)	670583.20
4342595.60	510.31804	(09110319)		
670804.51	4342595.60	803.08443	(10110418)	671025.82
4342595.60	1003.05135	(10021819)		
671247.13	4342595.60	480.60710	(11012908)	671468.44
4342595.60	137.85769	(12011417)		
671689.75	4342595.60	96.48135	(13052419)	671911.06
4342595.60	89.92334	(10021018)		
672132.37	4342595.60	127.56406	(13100718)	672353.68
4342595.60	251.03049	(13031619)		
▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc				
*** 10/04/21				
*** AERMET - VERSION 14134 *** ***				

*** 13:59:48

PAGE 1085

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , STCK1
, STCK2 , STCK3 , STCK4 ,
STCK5 , STCK6 , STCK7 , STCK8 , STCK9
, STCK10 , L0000555 , L0000556 ,
L0000557 , L0000558 , L0000559 , L0000560 , L0000561
, L0000562 , L0000563 , L0000564 ,
L0000565 , L0000566 , L0000567 , L0000568 , L0000569
, L0000570 , L0000571 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672574.99	4342595.60	140.51295	(11022219)	668148.79
4342760.56	434.56450	(10020808)		
668370.10	4342760.56	598.86396	(10122708)	668591.41
4342760.56	484.43620	(12120808)		
668812.72	4342760.56	567.80417	(13121008)	669034.03
4342760.56	461.61229	(11122708)		
669255.34	4342760.56	294.41498	(11122708)	669476.65
4342760.56	345.97854	(12121508)		
669697.96	4342760.56	359.79640	(12121508)	669919.27
4342760.56	342.24138	(11122608)		
670140.58	4342760.56	454.81487	(13123019)	670361.89
4342760.56	628.34888	(13121208)		
670583.20	4342760.56	431.00628	(09120808)	670804.51
4342760.56	574.73839	(09010719)		
671025.82	4342760.56	515.17379	(10021819)	671247.13
4342760.56	185.68056	(13012117)		
671468.44	4342760.56	116.71574	(10020217)	671689.75
4342760.56	100.37971	(11030318)		
671911.06	4342760.56	73.76326	(11081319)	672132.37
4342760.56	91.67231	(10050719)		
672353.68	4342760.56	251.89581	(10101519)	672574.99
4342760.56	217.31332	(11083019)		
668148.79	4342925.52	524.89359	(12011208)	668370.10
4342925.52	675.99532	(10020808)		

668591.41	4342925.52	579.52998	(10122708)	668812.72
4342925.52	750.74898	(13012808)		
669034.03	4342925.52	638.74036	(11122708)	669476.65
4342925.52	328.20596	(13022308)		
669697.96	4342925.52	255.70780	(11122608)	669919.27
4342925.52	357.00349	(13123019)		
670140.58	4342925.52	497.24078	(13121208)	670361.89
4342925.52	523.88611	(13020619)		
670583.20	4342925.52	667.10287	(10110618)	670804.51
4342925.52	727.20565	(12011419)		
671025.82	4342925.52	179.85399	(11040919)	671247.13
4342925.52	165.55187	(13012117)		
671468.44	4342925.52	95.69192	(13102117)	671689.75
4342925.52	88.85492	(10020119)		
671911.06	4342925.52	70.96375	(11022319)	672132.37
4342925.52	61.18475	(10021018)		
672353.68	4342925.52	111.04803	(13100718)	672574.99
4342925.52	213.27191	(13031619)		
668148.79	4343090.48	475.82472	(09020208)	668370.10
4343090.48	661.97476	(09020208)		
668591.41	4343090.48	750.08205	(09020208)	669476.65
4343090.48	349.36319	(13012708)		
669697.96	4343090.48	211.41889	(13012708)	669919.27
4343090.48	205.63110	(13121208)		
670140.58	4343090.48	386.60545	(13020619)	670361.89
4343090.48	259.12929	(09122608)		
670583.20	4343090.48	291.64127	(09010719)	670804.51
4343090.48	572.00087	(10021819)		
671025.82	4343090.48	143.59083	(11040919)	671247.13
4343090.48	140.78547	(13012117)		
671468.44	4343090.48	85.97479	(13102117)	671689.75
4343090.48	76.42141	(12102318)		
671911.06	4343090.48	63.10417	(11022319)	672132.37
4343090.48	55.34085	(11081319)		
672353.68	4343090.48	47.81955	(13073119)	672574.99
4343090.48	68.93357	(11030418)		
668148.79	4343255.44	502.06982	(13020108)	668370.10
4343255.44	706.88650	(11121308)		
668591.41	4343255.44	1130.72491	(13122708)	669476.65
4343255.44	241.61270	(10112508)		
669697.96	4343255.44	222.60162	(13012708)	669919.27
4343255.44	205.86289	(13121208)		
670140.58	4343255.44	264.70196	(09120808)	670361.89
4343255.44	255.09762	(09122608)		
670583.20	4343255.44	232.62344	(09121008)	670804.51
4343255.44	246.75374	(10021819)		
671025.82	4343255.44	129.67400	(13032719)	671247.13
4343255.44	116.66997	(13012117)		
671468.44	4343255.44	85.04136	(12110118)	671689.75
4343255.44	68.23079	(12102318)		

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        671911.06   4343255.44       56.44439   (11030318)           672132.37
4343255.44       52.79331   (11081319)
        672353.68   4343255.44       50.56805   (10021018)           672574.99
4343255.44       40.18797   (10021919)
        668148.79   4343420.40       574.25777   (13122708)           668370.10
4343420.40       719.77826   (14010208)
^ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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PAGE 1086

*** MODELOPTs: RegDFault CONC ELEV RURAL

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
                        INCLUDING SOURCE(S): PAREA1 , STCK1
, STCK2 , STCK3 , STCK4 ,
      STCK5 , STCK6 , STCK7 , STCK8 , STCK9
, STCK10 , L0000555 , L0000556 ,
      L0000557 , L0000558 , L0000559 , L0000560 , L0000561
, L0000562 , L0000563 , L0000564 ,
      L0000565 , L0000566 , L0000567 , L0000568 , L0000569
, L0000570 , L0000571 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
668591.41	4343420.40	959.38042	(13123008)	668812.72
4343420.40	1064.85488	(13121208)		
669034.03	4343420.40	1918.02478	(09121008)	669255.34
4343420.40	620.19548	(11012908)		
669476.65	4343420.40	397.99387	(10112508)	669697.96
4343420.40	208.04025	(10112508)		
669919.27	4343420.40	199.31391	(09120808)	670140.58
4343420.40	204.59582	(09122608)		
670361.89	4343420.40	193.12089	(10121308)	670583.20
4343420.40	189.83040	(09121008)		
670804.51	4343420.40	205.50456	(10021819)	671025.82
4343420.40	300.80306	(12091419)		
671247.13	4343420.40	167.08151	(09010118)	671468.44
4343420.40	76.15704	(12110118)		
671689.75	4343420.40	62.42172	(12102318)	671911.06

4343420.40	53.99729	(11030318)		
672132.37	4343420.40	48.02400	(11022319)	672353.68
4343420.40	41.04549	(10021018)		
672574.99	4343420.40	38.40922	(13073119)	668148.79
4343585.36	471.50721	(12121508)		
668370.10	4343585.36	521.03468	(11122608)	668591.41
4343585.36	682.59718	(13121208)		
668812.72	4343585.36	666.31831	(13121208)	669034.03
4343585.36	496.11102	(11012908)		
669255.34	4343585.36	304.17257	(09112608)	669476.65
4343585.36	223.38900	(09112608)		
669697.96	4343585.36	276.68696	(10112508)	669919.27
4343585.36	276.65464	(10112508)		
670140.58	4343585.36	246.08485	(10112508)	670361.89
4343585.36	197.19557	(10112508)		
670583.20	4343585.36	164.05385	(10021819)	670804.51
4343585.36	162.96377	(11010908)		
671025.82	4343585.36	175.27397	(11012908)	671247.13
4343585.36	178.66489	(09010118)		
671468.44	4343585.36	87.99778	(12110118)	671689.75
4343585.36	74.71979	(12011417)		
671911.06	4343585.36	57.09273	(10020119)	672132.37
4343585.36	48.84500	(13052419)		
672353.68	4343585.36	41.77996	(11081319)	672574.99
4343585.36	39.80743	(10021018)		
668148.79	4343750.32	468.89165	(11122608)	668370.10
4343750.32	293.98707	(13121208)		
668591.41	4343750.32	340.19000	(13121208)	668812.72
4343750.32	436.44091	(10121308)		
669034.03	4343750.32	167.37860	(10110908)	669255.34
4343750.32	175.41543	(09112608)		
669476.65	4343750.32	197.42776	(09112608)	669697.96
4343750.32	150.95061	(09021308)		
669919.27	4343750.32	151.85503	(10112508)	670140.58
4343750.32	196.02325	(10112508)		
670361.89	4343750.32	182.79408	(10112508)	670583.20
4343750.32	179.34350	(10112508)		
670804.51	4343750.32	143.57704	(10112508)	671025.82
4343750.32	157.92040	(11012908)		
671247.13	4343750.32	293.53721	(09010118)	671468.44
4343750.32	253.52302	(13121217)		
671689.75	4343750.32	273.49526	(13100819)	671911.06
4343750.32	129.46200	(09120817)		
672132.37	4343750.32	58.01905	(13051519)	672353.68
4343750.32	44.71999	(11081319)		
672574.99	4343750.32	40.67087	(10021018)	668148.79
4343915.28	450.33963	(13121208)		
668370.10	4343915.28	299.47779	(13121208)	668591.41
4343915.28	227.04066	(09020308)		
668812.72	4343915.28	228.92021	(09121008)	669034.03

4343915.28	126.28315	(10110908)		
669255.34	4343915.28	114.55148	(13121208)	669476.65
4343915.28	130.31224	(09112608)		
669697.96	4343915.28	137.93396	(09112608)	669919.27
4343915.28	125.41964	(10110418)		
670140.58	4343915.28	131.79605	(09010719)	670361.89
4343915.28	130.79158	(09121008)		
670583.20	4343915.28	141.49688	(10021819)	670804.51
4343915.28	134.25718	(10112508)		
671025.82	4343915.28	147.79811	(11012908)	671247.13
4343915.28	140.91291	(09010118)		
671468.44	4343915.28	237.48457	(13121217)	671689.75
4343915.28	219.32044	(13100819)		
671911.06	4343915.28	112.18848	(10090419)	672132.37
4343915.28	82.11565	(13093018)		

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 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1087

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 , STCK1
 , STCK2 , STCK3 , STCK4 ,
 STCK5 , STCK6 , STCK7 , STCK8 , STCK9
 , STCK10 , L0000555 , L0000556 ,
 L0000557 , L0000558 , L0000559 , L0000560 , L0000561
 , L0000562 , L0000563 , L0000564 ,
 L0000565 , L0000566 , L0000567 , L0000568 , L0000569
 , L0000570 , L0000571 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
672353.68	4343915.28	70.50473	(13093018)	672574.99
4343915.28	55.69597	(09112608)		
668148.79	4344080.24	393.73826	(13121208)	668370.10
4344080.24	319.45435	(09120808)		
668591.41	4344080.24	223.11084	(11122808)	668812.72
4344080.24	134.02185	(10020508)		

669034.03	4344080.24	110.12358	(09120808)	669255.34
4344080.24	117.74375	(09120808)		
669476.65	4344080.24	160.99185	(09112608)	669697.96
4344080.24	146.71430	(09112608)		
669919.27	4344080.24	116.04881	(10121308)	670140.58
4344080.24	126.70655	(09121008)		
670361.89	4344080.24	115.18578	(10021819)	670583.20
4344080.24	125.07999	(10021819)		
670804.51	4344080.24	109.85036	(11010908)	671025.82
4344080.24	294.31860	(11012908)		
671247.13	4344080.24	131.16303	(09010118)	671468.44
4344080.24	95.91596	(13121217)		
671689.75	4344080.24	131.51829	(13100819)	671911.06
4344080.24	60.85961	(12102318)		
672132.37	4344080.24	49.95051	(11030318)	672353.68
4344080.24	48.82376	(11022319)		
672574.99	4344080.24	44.13997	(11081319)	671464.71
4342094.27	188.83535	(12102318)		
671482.23	4342063.91	234.34000	(12101518)	671498.58
4342030.05	243.00631	(12090119)		
671513.75	4341991.52	227.42267	(13082619)	671541.78
4341964.66	265.05106	(11083119)		
671575.64	4341974.00	204.58196	(12080719)	671460.75
4342162.97	184.23537	(13082319)		
671451.00	4342187.35	194.49954	(13101918)	671510.73
4342219.66	184.61285	(13101918)		
671524.14	4342192.84	162.04116	(10020119)	671522.92
4342250.74	179.31170	(12011417)		
671599.11	4342252.57	165.44211	(10101519)	671627.76
4342256.84	168.01185	(13093018)		
671583.88	4342116.03	138.58435	(13081419)	671595.46
4342071.54	145.52255	(13122719)		
671663.12	4342056.30	172.05788	(12101518)	671600.94
4342030.09	164.62549	(10040819)		
671526.58	4342155.65	154.98788	(11030418)	671628.98
4342292.19	180.86289	(10101519)		
671641.78	4341980.71	195.74518	(12092418)	671666.77
4342018.51	180.02675	(12090119)		
671407.11	4342219.66	215.83432	(12110118)	671415.64
4342183.08	218.26951	(13101918)		
671635.08	4341706.42	943.96553	(10091119)	671693.59
4341710.08	771.32624	(10091119)		
671719.80	4341736.29	677.36760	(11090519)	671673.48
4341630.23	840.84168	(10091419)		
671888.04	4341936.22	351.58535	(13090719)	671977.64
4341952.07	243.03424	(13090719)		
672039.21	4341894.77	169.98732	(11092618)	671858.17
4341753.96	521.71326	(13042019)		
671922.78	4341634.49	509.72211	(11090519)	671613.74
4341791.15	658.01772	(11090519)		

671853.29	4341730.80	528.47155	(13122719)	671783.81
4341585.73	661.31336	(10091419)		
671783.20	4341546.72	667.34429	(09100818)	671769.18
4341461.38	730.48601	(10091119)		
671800.87	4341420.54	739.20172	(11100718)	671880.11
4341427.25	627.75975	(11100718)		
672012.39	4341504.66	222.31412	(10091119)	672084.31
4341547.94	236.35964	(10111117)		
671915.47	4341478.45	535.96057	(10091119)	671903.28
4341564.40	594.57636	(10091119)		
671863.05	4341522.34	694.10861	(10091119)	671830.13
4341336.43	873.16301	(10031019)		
671835.62	4341287.66	889.91614	(11010418)	671825.87
4341275.47	923.98492	(11010418)		
672136.73	4341370.56	178.63306	(13022308)	671920.34
4341307.17	553.73152	(12092719)		
671695.42	4341257.19	822.90210	(10090919)	671682.01
4341176.12	569.14431	(11123117)		
671991.66	4341196.23	539.58724	(12092719)	672022.14
4341231.59	420.31172	(12091119)		
671992.27	4341177.95	450.33839	(12092719)	671540.60
4341238.29	335.04451	(13011817)		
671575.34	4341177.95	289.61102	(13011817)	671454.65
4341196.23	252.79562	(11032919)		

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 *** AERMET - VERSION 14134 ***
 *** 13:59:48

PAGE 1088

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 , STCK1
 , STCK2 , STCK3 , STCK4 ,
 , STCK5 , STCK6 , STCK7 , STCK8 , STCK9
 , STCK10 , L0000555 , L0000556 ,
 , L0000557 , L0000558 , L0000559 , L0000560 , L0000561
 , L0000562 , L0000563 , L0000564 ,
 , L0000565 , L0000566 , L0000567 , L0000568 , L0000569
 , L0000570 , L0000571 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)

Y-COORD (M)	CONC	(YYMMDDHH)	
671523.53	4341116.38	238.99603	(12110317) 671413.20
4341126.74	227.53546	(09011917)	
671471.11	4341064.57	196.44246	(13012519) 671601.55
4341050.55	347.80384	(11033119)	
671198.64	4341253.53	149.55372	(11102617) 671278.49
4341212.08	172.82748	(10102917)	
671230.34	4341132.84	144.64206	(11102617) 671073.08
4341271.82	109.53499	(10021608)	
671122.45	4341373.61	143.44316	(12050719) 671118.79
4341397.38	144.72528	(12050719)	
670978.40	4341324.15	109.08730	(09012817) 670932.85
4341394.21	118.04671	(10010618)	
670935.19	4341367.36	116.31243	(10010618) 671108.01
4340976.17	130.94830	(12050719)	
671286.67	4340978.51	139.75398	(10102917) 671675.37
4342488.78	121.49166	(11022319)	
671091.40	4342277.23	1219.89671	(10121308) 671051.75
4342332.07	913.32879	(10121308)	
671051.75	4342369.20	1064.18988	(09010719) 670953.04
4342360.76	1037.10891	(09122608)	
670695.71	4342235.89	683.62140	(14010208) 670545.53
4342318.58	465.09762	(13123008)	
670711.74	4342488.16	789.87977	(11100319) 670648.30
4342501.73	681.42353	(13121208)	
670648.30	4342630.87	339.25476	(12010317) 670806.29
4342728.41	556.79051	(10121308)	
670688.15	4342739.41	314.45205	(11122808) 670804.92
4342427.55	952.65586	(13020619)	
670439.48	4342471.51	355.49233	(11122608) 670358.43
4342578.67	299.47297	(11122608)	
670546.64	4342662.47	574.08774	(11100319) 670537.03
4342595.15	599.31852	(13121208)	
670483.45	4342776.50	529.04968	(12121219) 670508.17
4342754.52	525.32923	(13020619)	
670517.79	4342868.54	557.12156	(09020308) 670545.27
4342850.69	493.95764	(09020308)	
670582.36	4342878.16	552.57755	(10110418) 670304.85
4342688.57	450.90926	(13121208)	
670039.70	4342661.10	332.32089	(11122608) 670156.48
4342673.46	338.85002	(13121208)	
670236.16	4342648.73	293.65778	(13121208) 670071.30
4342738.03	311.00744	(13121208)	
669990.24	4342753.14	303.61047	(13121208) 669928.42
4342742.15	336.76732	(11122608)	
669815.77	4342673.46	371.71144	(14010208) 669742.96
4342655.60	297.17375	(13122708)	
669791.04	4342744.90	401.86796	(13123008) 669696.25

4342731.16	347.72037	(14010208)		
669536.88	4342552.57	255.65264	(13122708)	671174.86
4342280.21	1431.79110	(10021819)		
671068.38	4342169.93	3036.20991	(09122608)	670965.71
4342179.44	1420.78017	(13123008)		
670815.50	4342198.45	756.71200	(14010208)	670737.55
4342097.68	493.06375	(11121308)		
670762.27	4342069.16	492.83932	(12011408)	670817.40
4342040.64	524.08318	(09020408)		
670895.36	4342025.43	626.55844	(09121708)	670979.02
4341915.15	631.86930	(12121508)		
671115.92	4341863.81	963.43622	(13123008)	671199.58
4341770.65	1441.14065	(14010208)		
671222.39	4341377.07	243.32007	(10102519)	671714.84
4341392.28	1041.28849	(11010418)		
671366.89	4341998.81	1069.65455	(11012908)	671226.19
4342236.48	1292.18302	(09110418)		
669098.44	4343411.59	1614.56796	(11012908)	668908.63
4343364.56	1408.58816	(13121208)		
668851.52	4343359.52	1383.66778	(11122608)	668831.37
4343371.27	1279.75266	(11122608)		
668733.94	4343302.41	1783.09837	(12121508)	668686.91
4343199.95	1307.59205	(13122708)		
668671.79	4343089.09	1097.51094	(12011608)	668806.17
4343001.74	1040.96969	(12120808)		
668918.71	4343025.26	822.99653	(11120408)	669024.53
4342942.95	731.04273	(11122708)		
669288.24	4342916.08	430.64691	(13022308)	669333.59
4342922.80	472.31902	(13022308)		
669365.51	4342978.23	504.65851	(13022308)	669336.95
4343151.23	528.32705	(13012708)		
669303.36	4343304.09	565.75440	(10112508)	669222.73
4343235.22	671.01804	(10112508)		
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*** 10/04/21				
*** AERMET - VERSION 14134 ***				
*** 13:59:48				

PAGE 1089

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S):		PAREA1	STCK1
, STCK2	, STCK3	, STCK4	, STCK5
, STCK10	, L0000555	, L0000556	, L0000557
, L0000562	, L0000563	, L0000564	, L0000565
	, L0000566	, L0000567	, L0000568
			, L0000569

, L0000570 , L0000571 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
669135.39	4343305.77	1291.75894	(11010908)	

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 1090

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF MAXIMUM PERIOD (43872

HRS) RESULTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG) OF TYPE	GRID-ID		
SRCGP1	1ST HIGHEST VALUE IS	65.24062 AT (	671068.38, 4342169.93, 846.33,
891.79,	0.00) DC		
	2ND HIGHEST VALUE IS	25.90810 AT (	670965.71, 4342179.44, 842.70,
891.48,	0.00) DC		
	3RD HIGHEST VALUE IS	12.88981 AT (	670895.36, 4342025.43, 820.91,
898.80,	0.00) DC		
	4TH HIGHEST VALUE IS	12.66432 AT (	671091.40, 4342277.23, 858.83,
891.46,	0.00) DC		
	5TH HIGHEST VALUE IS	12.45630 AT (	670979.02, 4341915.15, 823.46,
900.47,	0.00) DC		
	6TH HIGHEST VALUE IS	11.66970 AT (	671025.82, 4342265.68, 860.15,
866.96,	0.00) DC		
	7TH HIGHEST VALUE IS	8.83756 AT (	671174.86, 4342280.21, 855.66,
897.36,	0.00) DC		

891.99,	8TH HIGHEST VALUE IS 0.00) DC	8.19121 AT (	670815.50,	4342198.45,	825.35,
898.63,	9TH HIGHEST VALUE IS 0.00) DC	7.63027 AT (	670817.40,	4342040.64,	818.08,
898.49,	10TH HIGHEST VALUE IS 0.00) DC	7.48527 AT (	670804.51,	4341935.76,	827.94,
SRCGP2	1ST HIGHEST VALUE IS	22.62057 AT (	671366.89,	4341998.81,	854.07,
892.77,	0.00) DC				
892.77,	2ND HIGHEST VALUE IS 0.00) DC	9.60411 AT (	671468.44,	4341935.76,	866.56,
897.82,	3RD HIGHEST VALUE IS 0.00) DC	6.36988 AT (	671226.19,	4342236.48,	855.31,
898.09,	4TH HIGHEST VALUE IS 0.00) DC	4.85250 AT (	671247.13,	4342265.68,	857.92,
891.79,	5TH HIGHEST VALUE IS 0.00) DC	4.59417 AT (	671068.38,	4342169.93,	846.33,
892.11,	6TH HIGHEST VALUE IS 0.00) DC	4.58365 AT (	671635.08,	4341706.42,	854.34,
892.77,	7TH HIGHEST VALUE IS 0.00) DC	4.50928 AT (	671613.74,	4341791.15,	861.35,
897.36,	8TH HIGHEST VALUE IS 0.00) DC	4.45471 AT (	671174.86,	4342280.21,	855.66,
892.77,	9TH HIGHEST VALUE IS 0.00) DC	4.44135 AT (	671513.75,	4341991.52,	876.27,
900.47,	10TH HIGHEST VALUE IS 0.00) DC	4.28445 AT (	671199.58,	4341770.65,	831.15,
SRCGP3	1ST HIGHEST VALUE IS	10.11167 AT (	671068.38,	4342169.93,	846.33,
891.79,	0.00) DC				
896.72,	2ND HIGHEST VALUE IS 0.00) DC	8.52388 AT (	671025.82,	4342430.64,	851.38,
861.56,	3RD HIGHEST VALUE IS 0.00) DC	8.08381 AT (	669697.96,	4343255.44,	805.69,
897.36,	4TH HIGHEST VALUE IS 0.00) DC	7.42514 AT (	671174.86,	4342280.21,	855.66,
891.46,	5TH HIGHEST VALUE IS 0.00) DC	7.24003 AT (	671091.40,	4342277.23,	858.83,
867.32,	6TH HIGHEST VALUE IS 0.00) DC	6.53839 AT (	670140.58,	4343255.44,	825.59,
863.68,	7TH HIGHEST VALUE IS 0.00) DC	6.29245 AT (	669919.27,	4343255.44,	819.59,
850.55,	8TH HIGHEST VALUE IS 0.00) DC	6.15958 AT (	669303.36,	4343304.09,	778.29,
891.64,	9TH HIGHEST VALUE IS 0.00) DC	6.02266 AT (	671051.75,	4342369.20,	860.59,
913.36,	10TH HIGHEST VALUE IS 0.00) DC	5.61186 AT (	671025.82,	4342595.60,	854.50,
SRCGP4	1ST HIGHEST VALUE IS	7.75825 AT (	669135.39,	4343305.77,	763.44,

850.65, 0.00) DC
 2ND HIGHEST VALUE IS 7.37942 AT (669222.73, 4343235.22, 773.04,
 850.78, 0.00) DC
 3RD HIGHEST VALUE IS 6.27596 AT (668908.63, 4343364.56, 758.24,
 821.00, 0.00) DC
 4TH HIGHEST VALUE IS 6.26821 AT (668918.71, 4343025.26, 775.23,
 775.23, 0.00) DC
 5TH HIGHEST VALUE IS 5.83025 AT (668851.52, 4343359.52, 757.17,
 819.92, 0.00) DC
 6TH HIGHEST VALUE IS 5.41771 AT (668686.91, 4343199.95, 766.73,
 769.00, 0.00) DC
 7TH HIGHEST VALUE IS 5.36328 AT (668733.94, 4343302.41, 759.97,
 819.41, 0.00) DC
 8TH HIGHEST VALUE IS 4.92907 AT (669336.95, 4343151.23, 777.30,
 861.74, 0.00) DC
 9TH HIGHEST VALUE IS 4.87429 AT (668831.37, 4343371.27, 756.65,
 821.00, 0.00) DC
 10TH HIGHEST VALUE IS 4.60549 AT (668806.17, 4343001.74, 769.84,
 787.98, 0.00) DC
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PAGE 1091

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF MAXIMUM PERIOD (43872

HRS) RESULTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG) OF TYPE	GRID-ID		
SRCGP5	1ST HIGHEST VALUE IS	6.93878 AT (671199.58, 4341770.65, 831.15,	
900.47, 0.00) DC	2ND HIGHEST VALUE IS	4.61973 AT (671468.44, 4341935.76, 866.56,	
892.77, 0.00) DC	3RD HIGHEST VALUE IS	4.29208 AT (671366.89, 4341998.81, 854.07,	
892.77, 0.00) DC	4TH HIGHEST VALUE IS	4.07386 AT (671635.08, 4341706.42, 854.34,	
892.11, 0.00) DC	5TH HIGHEST VALUE IS	3.68763 AT (671613.74, 4341791.15, 861.35,	

892.77,	0.00) DC	3.43233 AT (	671673.48,	4341630.23,	845.73,
909.80,	0.00) DC				
	6TH HIGHEST VALUE IS				
	7TH HIGHEST VALUE IS	3.04022 AT (	671689.75,	4341605.84,	840.95,
913.26,	0.00) DC				
	8TH HIGHEST VALUE IS	2.75428 AT (	671693.59,	4341710.08,	852.82,
892.74,	0.00) DC				
	9TH HIGHEST VALUE IS	2.70512 AT (	671513.75,	4341991.52,	876.27,
892.77,	0.00) DC				
	10TH HIGHEST VALUE IS	2.65678 AT (	671541.78,	4341964.66,	874.92,
892.77,	0.00) DC				
SRCGP6	1ST HIGHEST VALUE IS	10.17360 AT (	670361.89,	4342430.64,	813.60,
900.07,	0.00) DC				
	2ND HIGHEST VALUE IS	8.62322 AT (	670583.20,	4342265.68,	820.57,
889.17,	0.00) DC				
	3RD HIGHEST VALUE IS	7.92828 AT (	670545.53,	4342318.58,	825.27,
889.17,	0.00) DC				
	4TH HIGHEST VALUE IS	7.85839 AT (	669697.96,	4342595.60,	799.08,
886.55,	0.00) DC				
	5TH HIGHEST VALUE IS	7.72759 AT (	670140.58,	4342595.60,	816.43,
889.17,	0.00) DC				
	6TH HIGHEST VALUE IS	7.42869 AT (	669919.27,	4342595.60,	793.60,
889.17,	0.00) DC				
	7TH HIGHEST VALUE IS	7.36639 AT (	669476.65,	4342760.56,	782.28,
886.55,	0.00) DC				
	8TH HIGHEST VALUE IS	7.11476 AT (	670815.50,	4342198.45,	825.35,
891.99,	0.00) DC				
	9TH HIGHEST VALUE IS	7.02031 AT (	670695.71,	4342235.89,	834.44,
889.17,	0.00) DC				
	10TH HIGHEST VALUE IS	6.29223 AT (	670039.70,	4342661.10,	814.26,
889.17,	0.00) DC				
SRCGP7	1ST HIGHEST VALUE IS	8.27430 AT (	671366.89,	4341998.81,	854.07,
892.77,	0.00) DC				
	2ND HIGHEST VALUE IS	7.92852 AT (	671226.19,	4342236.48,	855.31,
897.82,	0.00) DC				
	3RD HIGHEST VALUE IS	7.68476 AT (	671115.92,	4341863.81,	829.08,
900.47,	0.00) DC				
	4TH HIGHEST VALUE IS	7.15154 AT (	671068.38,	4342169.93,	846.33,
891.79,	0.00) DC				
	5TH HIGHEST VALUE IS	5.97758 AT (	671174.86,	4342280.21,	855.66,
897.36,	0.00) DC				
	6TH HIGHEST VALUE IS	5.96131 AT (	671247.13,	4342265.68,	857.92,
898.09,	0.00) DC				
	7TH HIGHEST VALUE IS	5.66116 AT (	670965.71,	4342179.44,	842.70,
891.48,	0.00) DC				
	8TH HIGHEST VALUE IS	5.40541 AT (	670979.02,	4341915.15,	823.46,
900.47,	0.00) DC				
	9TH HIGHEST VALUE IS	5.34255 AT (	671091.40,	4342277.23,	858.83,

891.46, 0.00) DC
 10TH HIGHEST VALUE IS 5.30984 AT (671025.82, 4341770.80, 852.14,
 896.59, 0.00) DC

SRCGP8 1ST HIGHEST VALUE IS 117.80026 AT (669098.44, 4343411.59, 760.06,
 826.15, 0.00) DC
 2ND HIGHEST VALUE IS 101.37076 AT (669034.03, 4343420.40, 762.28,
 825.53, 0.00) DC
 3RD HIGHEST VALUE IS 46.32002 AT (669135.39, 4343305.77, 763.44,
 850.65, 0.00) DC
 4TH HIGHEST VALUE IS 23.20107 AT (668908.63, 4343364.56, 758.24,
 821.00, 0.00) DC
 5TH HIGHEST VALUE IS 13.14767 AT (668851.52, 4343359.52, 757.17,
 819.92, 0.00) DC
 6TH HIGHEST VALUE IS 11.24168 AT (668831.37, 4343371.27, 756.65,
 821.00, 0.00) DC
 7TH HIGHEST VALUE IS 9.64715 AT (668812.72, 4343420.40, 762.17,
 819.81, 0.00) DC
 8TH HIGHEST VALUE IS 8.24380 AT (669255.34, 4343420.40, 764.67,
 853.55, 0.00) DC
 9TH HIGHEST VALUE IS 7.35862 AT (669034.03, 4343585.36, 785.47,
 819.81, 0.00) DC
 10TH HIGHEST VALUE IS 6.34447 AT (668812.72, 4343585.36, 776.62,
 819.81, 0.00) DC

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PAGE 1092

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF MAXIMUM PERIOD (43872
 HRS) RESULTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG) OF TYPE	GRID-ID		
- - - - -	- - - - -	- - - - -	- - - - -
- - - - -	- - - - -	- - - - -	- - - - -

SRCGP9 1ST HIGHEST VALUE IS 1.76454 AT (671091.40, 4342277.23, 858.83,
 891.46, 0.00) DC
 2ND HIGHEST VALUE IS 1.54516 AT (671051.75, 4342332.07, 862.96,
 887.54, 0.00) DC

891.64,	3RD HIGHEST VALUE IS	1.39590 AT (	671051.75,	4342369.20,	860.59,
	0.00) DC				
897.36,	4TH HIGHEST VALUE IS	1.37287 AT (	671174.86,	4342280.21,	855.66,
	0.00) DC				
866.96,	5TH HIGHEST VALUE IS	1.34609 AT (	671025.82,	4342265.68,	860.15,
	0.00) DC				
896.72,	6TH HIGHEST VALUE IS	1.15549 AT (	671025.82,	4342430.64,	851.38,
	0.00) DC				
867.60,	7TH HIGHEST VALUE IS	0.96583 AT (	670953.04,	4342360.76,	860.91,
	0.00) DC				
897.82,	8TH HIGHEST VALUE IS	0.92024 AT (	671226.19,	4342236.48,	855.31,
	0.00) DC				
898.09,	9TH HIGHEST VALUE IS	0.87840 AT (	671247.13,	4342265.68,	857.92,
	0.00) DC				
875.04,	10TH HIGHEST VALUE IS	0.82780 AT (	670583.20,	4341770.80,	875.04,
	0.00) DC				
SRCGP10	1ST HIGHEST VALUE IS	2.60724 AT (	671366.89,	4341998.81,	854.07,
892.77,	0.00) DC				
	2ND HIGHEST VALUE IS	2.31463 AT (	671226.19,	4342236.48,	855.31,
897.82,	0.00) DC				
	3RD HIGHEST VALUE IS	2.21327 AT (	671115.92,	4341863.81,	829.08,
900.47,	0.00) DC				
	4TH HIGHEST VALUE IS	2.00289 AT (	671247.13,	4342265.68,	857.92,
898.09,	0.00) DC				
	5TH HIGHEST VALUE IS	1.83234 AT (	671174.86,	4342280.21,	855.66,
897.36,	0.00) DC				
	6TH HIGHEST VALUE IS	1.68918 AT (	671025.82,	4341770.80,	852.14,
896.59,	0.00) DC				
	7TH HIGHEST VALUE IS	1.56488 AT (	671199.58,	4341770.65,	831.15,
900.47,	0.00) DC				
	8TH HIGHEST VALUE IS	1.48875 AT (	671091.40,	4342277.23,	858.83,
891.46,	0.00) DC				
	9TH HIGHEST VALUE IS	1.37438 AT (	671068.38,	4342169.93,	846.33,
891.79,	0.00) DC				
	10TH HIGHEST VALUE IS	1.20654 AT (	671051.75,	4342332.07,	862.96,
887.54,	0.00) DC				
SRCGP11	1ST HIGHEST VALUE IS	15.76404 AT (	671115.92,	4341863.81,	829.08,
900.47,	0.00) DC				
	2ND HIGHEST VALUE IS	14.80699 AT (	671366.89,	4341998.81,	854.07,
892.77,	0.00) DC				
	3RD HIGHEST VALUE IS	14.14587 AT (	671199.58,	4341770.65,	831.15,
900.47,	0.00) DC				
	4TH HIGHEST VALUE IS	10.14939 AT (	671025.82,	4341770.80,	852.14,
896.59,	0.00) DC				
	5TH HIGHEST VALUE IS	8.10197 AT (	671068.38,	4342169.93,	846.33,
891.79,	0.00) DC				
	6TH HIGHEST VALUE IS	6.30531 AT (	670979.02,	4341915.15,	823.46,
900.47,	0.00) DC				

897.82,	7TH HIGHEST VALUE IS	5.05358 AT (	671226.19,	4342236.48,	855.31,
0.00)	DC				
891.48,	8TH HIGHEST VALUE IS	4.29449 AT (	670965.71,	4342179.44,	842.70,
0.00)	DC				
898.80,	9TH HIGHEST VALUE IS	4.17621 AT (	670895.36,	4342025.43,	820.91,
0.00)	DC				
897.36,	10TH HIGHEST VALUE IS	4.06897 AT (	671174.86,	4342280.21,	855.66,
0.00)	DC				
SRCGP12	1ST HIGHEST VALUE IS	16.58410 AT (	671366.89,	4341998.81,	854.07,
892.77,	0.00)	DC			
900.47,	2ND HIGHEST VALUE IS	10.34569 AT (	671199.58,	4341770.65,	831.15,
0.00)	DC				
892.77,	3RD HIGHEST VALUE IS	7.82524 AT (	671468.44,	4341935.76,	866.56,
0.00)	DC				
900.47,	4TH HIGHEST VALUE IS	6.15486 AT (	671115.92,	4341863.81,	829.08,
0.00)	DC				
891.79,	5TH HIGHEST VALUE IS	5.80584 AT (	671068.38,	4342169.93,	846.33,
0.00)	DC				
897.82,	6TH HIGHEST VALUE IS	5.52849 AT (	671226.19,	4342236.48,	855.31,
0.00)	DC				
891.48,	7TH HIGHEST VALUE IS	4.91190 AT (	670965.71,	4342179.44,	842.70,
0.00)	DC				
898.09,	8TH HIGHEST VALUE IS	4.59628 AT (	671247.13,	4342265.68,	857.92,
0.00)	DC				
892.77,	9TH HIGHEST VALUE IS	4.37351 AT (	671513.75,	4341991.52,	876.27,
0.00)	DC				
892.77,	10TH HIGHEST VALUE IS	4.11363 AT (	671541.78,	4341964.66,	874.92,
0.00)	DC				

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 *** AERMET - VERSION 14134 *** ***
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PAGE 1093

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF MAXIMUM PERIOD (43872
 HRS) RESULTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG)	OF TYPE	GRID-ID	

SRCGP13	1ST HIGHEST VALUE IS	6.51560 AT (	668831.37,	4343371.27,	756.65,
821.00,	0.00) DC				
	2ND HIGHEST VALUE IS	6.37675 AT (	668908.63,	4343364.56,	758.24,
821.00,	0.00) DC				
	3RD HIGHEST VALUE IS	6.32980 AT (	671025.82,	4342430.64,	851.38,
896.72,	0.00) DC				
	4TH HIGHEST VALUE IS	5.99428 AT (	668591.41,	4343420.40,	752.89,
819.81,	0.00) DC				
	5TH HIGHEST VALUE IS	5.80000 AT (	668812.72,	4343420.40,	762.17,
819.81,	0.00) DC				
	6TH HIGHEST VALUE IS	5.70846 AT (	668851.52,	4343359.52,	757.17,
819.92,	0.00) DC				
	7TH HIGHEST VALUE IS	5.43933 AT (	669135.39,	4343305.77,	763.44,
850.65,	0.00) DC				
	8TH HIGHEST VALUE IS	5.33086 AT (	671068.38,	4342169.93,	846.33,
891.79,	0.00) DC				
	9TH HIGHEST VALUE IS	5.26418 AT (	671091.40,	4342277.23,	858.83,
891.46,	0.00) DC				
	10TH HIGHEST VALUE IS	5.17848 AT (	669034.03,	4343420.40,	762.28,
825.53,	0.00) DC				
SRCGP14	1ST HIGHEST VALUE IS	7.15367 AT (	671199.58,	4341770.65,	831.15,
900.47,	0.00) DC				
	2ND HIGHEST VALUE IS	5.27342 AT (	671366.89,	4341998.81,	854.07,
892.77,	0.00) DC				
	3RD HIGHEST VALUE IS	5.27079 AT (	671468.44,	4341935.76,	866.56,
892.77,	0.00) DC				
	4TH HIGHEST VALUE IS	4.54819 AT (	671635.08,	4341706.42,	854.34,
892.11,	0.00) DC				
	5TH HIGHEST VALUE IS	3.94739 AT (	671613.74,	4341791.15,	861.35,
892.77,	0.00) DC				
	6TH HIGHEST VALUE IS	3.67756 AT (	671673.48,	4341630.23,	845.73,
909.80,	0.00) DC				
	7TH HIGHEST VALUE IS	3.17078 AT (	671689.75,	4341605.84,	840.95,
913.26,	0.00) DC				
	8TH HIGHEST VALUE IS	3.06621 AT (	671693.59,	4341710.08,	852.82,
892.74,	0.00) DC				
	9TH HIGHEST VALUE IS	2.96779 AT (	671513.75,	4341991.52,	876.27,
892.77,	0.00) DC				
	10TH HIGHEST VALUE IS	2.86361 AT (	671541.78,	4341964.66,	874.92,
892.77,	0.00) DC				
SRCGP15	1ST HIGHEST VALUE IS	14.69041 AT (	669135.39,	4343305.77,	763.44,
850.65,	0.00) DC				
	2ND HIGHEST VALUE IS	14.05551 AT (	669222.73,	4343235.22,	773.04,
850.78,	0.00) DC				
	3RD HIGHEST VALUE IS	11.02958 AT (	668733.94,	4343302.41,	759.97,
819.41,	0.00) DC				
	4TH HIGHEST VALUE IS	10.37004 AT (	668908.63,	4343364.56,	758.24,

821.00,	0.00)	DC			
	5TH HIGHEST VALUE IS		9.66211	AT (	668851.52, 4343359.52, 757.17,
819.92,	0.00)	DC			
	6TH HIGHEST VALUE IS		8.02328	AT (	668831.37, 4343371.27, 756.65,
821.00,	0.00)	DC			
	7TH HIGHEST VALUE IS		7.47454	AT (	668686.91, 4343199.95, 766.73,
769.00,	0.00)	DC			
	8TH HIGHEST VALUE IS		6.91293	AT (	669034.03, 4343420.40, 762.28,
825.53,	0.00)	DC			
	9TH HIGHEST VALUE IS		6.66719	AT (	669098.44, 4343411.59, 760.06,
826.15,	0.00)	DC			
	10TH HIGHEST VALUE IS		5.21609	AT (	668812.72, 4343420.40, 762.17,
819.81,	0.00)	DC			
SRCGP16	1ST HIGHEST VALUE IS		27.44317	AT (	671199.58, 4341770.65, 831.15,
900.47,	0.00)	DC			
	2ND HIGHEST VALUE IS		13.81832	AT (	671115.92, 4341863.81, 829.08,
900.47,	0.00)	DC			
	3RD HIGHEST VALUE IS		12.34442	AT (	671068.38, 4342169.93, 846.33,
891.79,	0.00)	DC			
	4TH HIGHEST VALUE IS		11.06924	AT (	671366.89, 4341998.81, 854.07,
892.77,	0.00)	DC			
	5TH HIGHEST VALUE IS		7.88081	AT (	671025.82, 4341770.80, 852.14,
896.59,	0.00)	DC			
	6TH HIGHEST VALUE IS		7.26921	AT (	670979.02, 4341915.15, 823.46,
900.47,	0.00)	DC			
	7TH HIGHEST VALUE IS		6.52036	AT (	670965.71, 4342179.44, 842.70,
891.48,	0.00)	DC			
	8TH HIGHEST VALUE IS		5.14567	AT (	670895.36, 4342025.43, 820.91,
898.80,	0.00)	DC			
	9TH HIGHEST VALUE IS		4.46764	AT (	671468.44, 4341935.76, 866.56,
892.77,	0.00)	DC			
	10TH HIGHEST VALUE IS		4.29391	AT (	671226.19, 4342236.48, 855.31,
897.82,	0.00)	DC			
▲ ***	AERMOD - VERSION	19191 ***	***	C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc	
		***	***	10/04/21	
***	AERMET - VERSION	14134 ***	***		
		***	***	13:59:48	

PAGE 1094

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF MAXIMUM PERIOD (43872

HRS) RESULTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG)	OF TYPE	GRID-ID	
- - - - -	- - - - -	- - - - -	- - - - -
- - - - -	- - - - -	- - - - -	- - - - -

ALL	1ST HIGHEST VALUE IS	135.37932 AT (	669098.44,	4343411.59,	760.06,
826.15,	0.00) DC				
	2ND HIGHEST VALUE IS	124.95420 AT (	671068.38,	4342169.93,	846.33,
891.79,	0.00) DC				
	3RD HIGHEST VALUE IS	119.91608 AT (	669034.03,	4343420.40,	762.28,
825.53,	0.00) DC				
	4TH HIGHEST VALUE IS	89.39014 AT (	671366.89,	4341998.81,	854.07,
892.77,	0.00) DC				
	5TH HIGHEST VALUE IS	79.09672 AT (	671199.58,	4341770.65,	831.15,
900.47,	0.00) DC				
	6TH HIGHEST VALUE IS	77.08324 AT (	669135.39,	4343305.77,	763.44,
850.65,	0.00) DC				
	7TH HIGHEST VALUE IS	64.01330 AT (	670965.71,	4342179.44,	842.70,
891.48,	0.00) DC				
	8TH HIGHEST VALUE IS	62.09617 AT (	671115.92,	4341863.81,	829.08,
900.47,	0.00) DC				
	9TH HIGHEST VALUE IS	51.10042 AT (	671091.40,	4342277.23,	858.83,
891.46,	0.00) DC				
	10TH HIGHEST VALUE IS	49.63795 AT (	671174.86,	4342280.21,	855.66,
897.36,	0.00) DC				

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 1095
*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	DATE	RECEPTOR
	AVERAGE CONC	(YYMMDDHH)	

(XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID

SRCGP1 HIGH 1ST HIGH VALUE IS 1746.50973 ON 09120805: AT (671068.38,
4342169.93, 846.33, 891.79, 0.00) DC

SRCGP2 HIGH 1ST HIGH VALUE IS 349.91080 ON 12111121: AT (671366.89,
4341998.81, 854.07, 892.77, 0.00) DC

SRCGP3 HIGH 1ST HIGH VALUE IS 75.93293 ON 12013019: AT (670140.58,
4343255.44, 825.59, 867.32, 0.00) DC

SRCGP4 HIGH 1ST HIGH VALUE IS 519.99565 ON 10020808: AT (668671.79,
4343089.09, 771.48, 787.87, 0.00) DC

SRCGP5 HIGH 1ST HIGH VALUE IS 231.86991 ON 12121508: AT (671199.58,
4341770.65, 831.15, 900.47, 0.00) DC

SRCGP6 HIGH 1ST HIGH VALUE IS 293.92943 ON 12121508: AT (670361.89,
4342430.64, 813.60, 900.07, 0.00) DC

SRCGP7 HIGH 1ST HIGH VALUE IS 281.23299 ON 13031621: AT (671366.89,
4341998.81, 854.07, 892.77, 0.00) DC

SRCGP8 HIGH 1ST HIGH VALUE IS 903.80233 ON 11121724: AT (669034.03,
4343420.40, 762.28, 825.53, 0.00) DC

SRCGP9 HIGH 1ST HIGH VALUE IS 120.79506 ON 13042705: AT (671464.71,
4342094.27, 883.59, 887.06, 0.00) DC

SRCGP10 HIGH 1ST HIGH VALUE IS 81.26490 ON 13050904: AT (671498.58,
4342030.05, 879.16, 892.77, 0.00) DC

SRCGP11 HIGH 1ST HIGH VALUE IS 540.44394 ON 13082820: AT (671366.89,
4341998.81, 854.07, 892.77, 0.00) DC

SRCGP12 HIGH 1ST HIGH VALUE IS 453.97089 ON 13020619: AT (671068.38,
4342169.93, 846.33, 891.79, 0.00) DC

SRCGP13 HIGH 1ST HIGH VALUE IS 66.86902 ON 12071720: AT (668812.72,
4343420.40, 762.17, 819.81, 0.00) DC

SRCGP14 HIGH 1ST HIGH VALUE IS 790.08822 ON 12121508: AT (671199.58,
4341770.65, 831.15, 900.47, 0.00) DC

SRCGP15 HIGH 1ST HIGH VALUE IS 1208.24990 ON 12121508: AT (668733.94,
4343302.41, 759.97, 819.41, 0.00) DC

SRCGP16 HIGH 1ST HIGH VALUE IS 227.96040 ON 13021807: AT (671068.38,

4342169.93, 846.33, 891.79, 0.00) DC

ALL HIGH 1ST HIGH VALUE IS 3036.20991 ON 09122608: AT (671068.38,
4342169.93, 846.33, 891.79, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** 10/04/21

*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 1096

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 13479 Informational Message(s)

A Total of 43872 Hours Were Processed

A Total of 9055 Calm Hours Identified

A Total of 4424 Missing Hours Identified (10.08 Percent)

CAUTION!: Number of Missing Hours Exceeds 10 Percent of Total!
Data May Not Be Acceptable for Regulatory Applications.
See Section 5.3.2 of "Meteorological Monitoring Guidance
for Regulatory Modeling Applications" (EPA-454/R-99-005).

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
*** NONE ***

*** AERMOD Finishes Successfully ***

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 1
*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** MODEL SETUP OPTIONS SUMMARY

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses RURAL Dispersion Only.

**Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.

**Other Options Specified:

CCVR_Sub - Meteorological data includes CCVR substitutions

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: VARIOUS

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 783 Source(s); 17 Source Group(s); and 561
Receptor(s)

with: 10 POINT(s), including
9 POINTCAP(s) and 0 POINTHOR(s)
and: 769 VOLUME source(s)
and: 4 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 0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**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) = 1608.10 ; 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 = 5.1 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: IMM.err

**File for Summary of Results: IMM.sum

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 2

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***

(1=YES; 0=NO)

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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*** 10/04/21
*** AERMET - VERSION 14134 ***
*** 13:59:48

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DATA *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL

Upper air station no.: 3198
Name: UNKNOWN

Year: 2009

Year: 2009

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							
09	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.14	0.84	
1.00	0.00	0.	10.0	280.4	2.0									
09	01	01	1	02	-13.7	0.156	-9.000	-9.000	-999.	148.	20.7	1.05	0.84	
1.00	1.76	68.	10.0	280.4	2.0									
09	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.14	0.84	
1.00	0.00	0.	10.0	280.9	2.0									
09	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.14	0.84	
1.00	0.00	0.	10.0	280.9	2.0									
09	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.14	0.84	
1.00	0.00	0.	10.0	280.9	2.0									
09	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.14	0.84	
1.00	0.00	0.	10.0	280.9	2.0									
09	01	01	1	07	-13.7	0.156	-9.000	-9.000	-999.	148.	20.7	1.05	0.84	
1.00	1.76	75.	10.0	280.9	2.0									
09	01	01	1	08	-3.3	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.14	0.84	
0.71	0.00	0.	10.0	282.0	2.0									
09	01	01	1	09	7.1	0.336	0.245	0.005	62.	468.	-403.9	1.15	0.84	
0.36	1.76	7.	10.0	282.5	2.0									
09	01	01	1	10	47.6	-9.000	-9.000	-9.000	192.	-999.	-99999.0	1.14	0.84	
0.23	0.00	0.	10.0	283.1	2.0									
09	01	01	1	11	15.7	0.353	0.471	0.005	199.	503.	-210.1	1.19	0.84	
0.19	1.76	294.	10.0	283.1	2.0									
09	01	01	1	12	94.9	-9.000	-9.000	-9.000	235.	-999.	-99999.0	1.14	0.84	
0.17	0.00	0.	10.0	283.8	2.0									
09	01	01	1	13	20.6	0.358	0.550	0.005	242.	514.	-166.5	1.19	0.84	
0.17	1.76	263.	10.0	283.1	2.0									
09	01	01	1	14	40.3	-9.000	-9.000	-9.000	255.	-999.	-99999.0	1.14	0.84	
0.18	0.00	0.	10.0	283.1	2.0									
09	01	01	1	15	49.8	0.746	0.800	0.005	308.	1545.	-623.4	1.20	0.84	
0.22	3.86	192.	10.0	283.1	2.0									
09	01	01	1	16	15.7	0.550	0.591	0.005	393.	1022.	-790.4	1.20	0.84	
0.32	2.86	184.	10.0	282.5	2.0									
09	01	01	1	17	1.1	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.14	0.84	
0.60	0.00	0.	10.0	281.4	2.0									
09	01	01	1	18	-13.6	0.158	-9.000	-9.000	-999.	150.	21.6	1.08	0.84	
1.00	1.76	177.	10.0	281.4	2.0									
09	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	1.14	0.84	
1.00	0.00	0.	10.0	280.4	2.0									
09	01	01	1	20	-13.9	0.158	-9.000	-9.000	-999.	150.	21.1	1.08	0.84	
1.00	1.76	147.	10.0	280.4	2.0									
09	01	01	1	21	-18.2	0.387	-9.000	-9.000	-999.	578.	237.7	1.08	0.84	
1.00	2.36	150.	10.0	280.4	2.0									
09	01	01	1	22	-27.3	0.579	-9.000	-9.000	-999.	1056.	530.8	1.08	0.84	

```

1.00    3.36 172.    10.0 279.9    2.0
09 01 01    1 23 -31.7 0.672 -9.000 -9.000 -999. 1319.    715.6 1.08    0.84
1.00    3.86 170.    10.0 279.9    2.0
09 01 01    1 24 -36.1 0.764 -9.000 -9.000 -999. 1599.    922.1 1.08    0.84
1.00    4.36 160.    10.0 278.8    2.0

```

First hour of profile data

```

YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
09 01 01 01    10.0 1 -999.  -99.00  280.4   99.0  -99.00  -99.00

```

F indicates top of profile (=1) or below (=0)

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      ***                  10/04/21
*** AERMET - VERSION 14134 ***    ***
      ***                  13:59:48

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PAGE 4

*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE SUMMARY OF MAXIMUM PERIOD (43872

HRS) RESULTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG) OF TYPE	GRID-ID		
SRCGP1	1ST HIGHEST VALUE IS	65.24062 AT (	671068.38, 4342169.93, 846.33,
891.79,	0.00) DC		
	2ND HIGHEST VALUE IS	25.90810 AT (	670965.71, 4342179.44, 842.70,
891.48,	0.00) DC		
	3RD HIGHEST VALUE IS	12.88981 AT (	670895.36, 4342025.43, 820.91,
898.80,	0.00) DC		
	4TH HIGHEST VALUE IS	12.66432 AT (	671091.40, 4342277.23, 858.83,
891.46,	0.00) DC		
	5TH HIGHEST VALUE IS	12.45630 AT (	670979.02, 4341915.15, 823.46,
900.47,	0.00) DC		
	6TH HIGHEST VALUE IS	11.66970 AT (	671025.82, 4342265.68, 860.15,
866.96,	0.00) DC		
	7TH HIGHEST VALUE IS	8.83756 AT (	671174.86, 4342280.21, 855.66,
897.36,	0.00) DC		
	8TH HIGHEST VALUE IS	8.19121 AT (	670815.50, 4342198.45, 825.35,
891.99,	0.00) DC		

898.63,	9TH HIGHEST VALUE IS 0.00) DC	7.63027 AT (	670817.40,	4342040.64,	818.08,
898.49,	10TH HIGHEST VALUE IS 0.00) DC	7.48527 AT (	670804.51,	4341935.76,	827.94,
SRCGP2	1ST HIGHEST VALUE IS	22.62057 AT (	671366.89,	4341998.81,	854.07,
892.77,	0.00) DC				
892.77,	2ND HIGHEST VALUE IS 0.00) DC	9.60411 AT (	671468.44,	4341935.76,	866.56,
897.82,	3RD HIGHEST VALUE IS 0.00) DC	6.36988 AT (	671226.19,	4342236.48,	855.31,
898.09,	4TH HIGHEST VALUE IS 0.00) DC	4.85250 AT (	671247.13,	4342265.68,	857.92,
891.79,	5TH HIGHEST VALUE IS 0.00) DC	4.59417 AT (	671068.38,	4342169.93,	846.33,
892.11,	6TH HIGHEST VALUE IS 0.00) DC	4.58365 AT (	671635.08,	4341706.42,	854.34,
892.77,	7TH HIGHEST VALUE IS 0.00) DC	4.50928 AT (	671613.74,	4341791.15,	861.35,
897.36,	8TH HIGHEST VALUE IS 0.00) DC	4.45471 AT (	671174.86,	4342280.21,	855.66,
892.77,	9TH HIGHEST VALUE IS 0.00) DC	4.44135 AT (	671513.75,	4341991.52,	876.27,
900.47,	10TH HIGHEST VALUE IS 0.00) DC	4.28445 AT (	671199.58,	4341770.65,	831.15,
SRCGP3	1ST HIGHEST VALUE IS	10.11167 AT (	671068.38,	4342169.93,	846.33,
891.79,	0.00) DC				
896.72,	2ND HIGHEST VALUE IS 0.00) DC	8.52388 AT (	671025.82,	4342430.64,	851.38,
861.56,	3RD HIGHEST VALUE IS 0.00) DC	8.08381 AT (	669697.96,	4343255.44,	805.69,
897.36,	4TH HIGHEST VALUE IS 0.00) DC	7.42514 AT (	671174.86,	4342280.21,	855.66,
891.46,	5TH HIGHEST VALUE IS 0.00) DC	7.24003 AT (	671091.40,	4342277.23,	858.83,
867.32,	6TH HIGHEST VALUE IS 0.00) DC	6.53839 AT (	670140.58,	4343255.44,	825.59,
863.68,	7TH HIGHEST VALUE IS 0.00) DC	6.29245 AT (	669919.27,	4343255.44,	819.59,
850.55,	8TH HIGHEST VALUE IS 0.00) DC	6.15958 AT (	669303.36,	4343304.09,	778.29,
891.64,	9TH HIGHEST VALUE IS 0.00) DC	6.02266 AT (	671051.75,	4342369.20,	860.59,
913.36,	10TH HIGHEST VALUE IS 0.00) DC	5.61186 AT (	671025.82,	4342595.60,	854.50,
SRCGP4	1ST HIGHEST VALUE IS	7.75825 AT (	669135.39,	4343305.77,	763.44,
850.65,	0.00) DC				
	2ND HIGHEST VALUE IS	7.37942 AT (	669222.73,	4343235.22,	773.04,

850.78, 0.00) DC
 3RD HIGHEST VALUE IS 6.27596 AT (668908.63, 4343364.56, 758.24,
 821.00, 0.00) DC
 4TH HIGHEST VALUE IS 6.26821 AT (668918.71, 4343025.26, 775.23,
 775.23, 0.00) DC
 5TH HIGHEST VALUE IS 5.83025 AT (668851.52, 4343359.52, 757.17,
 819.92, 0.00) DC
 6TH HIGHEST VALUE IS 5.41771 AT (668686.91, 4343199.95, 766.73,
 769.00, 0.00) DC
 7TH HIGHEST VALUE IS 5.36328 AT (668733.94, 4343302.41, 759.97,
 819.41, 0.00) DC
 8TH HIGHEST VALUE IS 4.92907 AT (669336.95, 4343151.23, 777.30,
 861.74, 0.00) DC
 9TH HIGHEST VALUE IS 4.87429 AT (668831.37, 4343371.27, 756.65,
 821.00, 0.00) DC
 10TH HIGHEST VALUE IS 4.60549 AT (668806.17, 4343001.74, 769.84,
 787.98, 0.00) DC
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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 5

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF MAXIMUM PERIOD (43872
 HRS) RESULTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG) OF TYPE	GRID-ID		
SRCGP5	1ST HIGHEST VALUE IS	6.93878 AT (671199.58, 4341770.65, 831.15,	
900.47, 0.00) DC			
	2ND HIGHEST VALUE IS	4.61973 AT (671468.44, 4341935.76, 866.56,	
892.77, 0.00) DC			
	3RD HIGHEST VALUE IS	4.29208 AT (671366.89, 4341998.81, 854.07,	
892.77, 0.00) DC			
	4TH HIGHEST VALUE IS	4.07386 AT (671635.08, 4341706.42, 854.34,	
892.11, 0.00) DC			
	5TH HIGHEST VALUE IS	3.68763 AT (671613.74, 4341791.15, 861.35,	
892.77, 0.00) DC			
	6TH HIGHEST VALUE IS	3.43233 AT (671673.48, 4341630.23, 845.73,	

909.80,	0.00) DC			
7TH HIGHEST VALUE IS		3.04022	AT (671689.75,	4341605.84, 840.95,
913.26,	0.00) DC			
8TH HIGHEST VALUE IS		2.75428	AT (671693.59,	4341710.08, 852.82,
892.74,	0.00) DC			
9TH HIGHEST VALUE IS		2.70512	AT (671513.75,	4341991.52, 876.27,
892.77,	0.00) DC			
10TH HIGHEST VALUE IS		2.65678	AT (671541.78,	4341964.66, 874.92,
892.77,	0.00) DC			
SRCGP6	1ST HIGHEST VALUE IS	10.17360	AT (670361.89,	4342430.64, 813.60,
900.07,	0.00) DC			
2ND HIGHEST VALUE IS		8.62322	AT (670583.20,	4342265.68, 820.57,
889.17,	0.00) DC			
3RD HIGHEST VALUE IS		7.92828	AT (670545.53,	4342318.58, 825.27,
889.17,	0.00) DC			
4TH HIGHEST VALUE IS		7.85839	AT (669697.96,	4342595.60, 799.08,
886.55,	0.00) DC			
5TH HIGHEST VALUE IS		7.72759	AT (670140.58,	4342595.60, 816.43,
889.17,	0.00) DC			
6TH HIGHEST VALUE IS		7.42869	AT (669919.27,	4342595.60, 793.60,
889.17,	0.00) DC			
7TH HIGHEST VALUE IS		7.36639	AT (669476.65,	4342760.56, 782.28,
886.55,	0.00) DC			
8TH HIGHEST VALUE IS		7.11476	AT (670815.50,	4342198.45, 825.35,
891.99,	0.00) DC			
9TH HIGHEST VALUE IS		7.02031	AT (670695.71,	4342235.89, 834.44,
889.17,	0.00) DC			
10TH HIGHEST VALUE IS		6.29223	AT (670039.70,	4342661.10, 814.26,
889.17,	0.00) DC			
SRCGP7	1ST HIGHEST VALUE IS	8.27430	AT (671366.89,	4341998.81, 854.07,
892.77,	0.00) DC			
2ND HIGHEST VALUE IS		7.92852	AT (671226.19,	4342236.48, 855.31,
897.82,	0.00) DC			
3RD HIGHEST VALUE IS		7.68476	AT (671115.92,	4341863.81, 829.08,
900.47,	0.00) DC			
4TH HIGHEST VALUE IS		7.15154	AT (671068.38,	4342169.93, 846.33,
891.79,	0.00) DC			
5TH HIGHEST VALUE IS		5.97758	AT (671174.86,	4342280.21, 855.66,
897.36,	0.00) DC			
6TH HIGHEST VALUE IS		5.96131	AT (671247.13,	4342265.68, 857.92,
898.09,	0.00) DC			
7TH HIGHEST VALUE IS		5.66116	AT (670965.71,	4342179.44, 842.70,
891.48,	0.00) DC			
8TH HIGHEST VALUE IS		5.40541	AT (670979.02,	4341915.15, 823.46,
900.47,	0.00) DC			
9TH HIGHEST VALUE IS		5.34255	AT (671091.40,	4342277.23, 858.83,
891.46,	0.00) DC			
10TH HIGHEST VALUE IS		5.30984	AT (671025.82,	4341770.80, 852.14,

896.59, 0.00) DC

SRCGP8 1ST HIGHEST VALUE IS 117.80026 AT (669098.44, 4343411.59, 760.06,
826.15, 0.00) DC
2ND HIGHEST VALUE IS 101.37076 AT (669034.03, 4343420.40, 762.28,
825.53, 0.00) DC
3RD HIGHEST VALUE IS 46.32002 AT (669135.39, 4343305.77, 763.44,
850.65, 0.00) DC
4TH HIGHEST VALUE IS 23.20107 AT (668908.63, 4343364.56, 758.24,
821.00, 0.00) DC
5TH HIGHEST VALUE IS 13.14767 AT (668851.52, 4343359.52, 757.17,
819.92, 0.00) DC
6TH HIGHEST VALUE IS 11.24168 AT (668831.37, 4343371.27, 756.65,
821.00, 0.00) DC
7TH HIGHEST VALUE IS 9.64715 AT (668812.72, 4343420.40, 762.17,
819.81, 0.00) DC
8TH HIGHEST VALUE IS 8.24380 AT (669255.34, 4343420.40, 764.67,
853.55, 0.00) DC
9TH HIGHEST VALUE IS 7.35862 AT (669034.03, 4343585.36, 785.47,
819.81, 0.00) DC
10TH HIGHEST VALUE IS 6.34447 AT (668812.72, 4343585.36, 776.62,
819.81, 0.00) DC

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 6

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF MAXIMUM PERIOD (43872

HRS) RESULTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG) OF TYPE	GRID-ID		

SRCGP9 1ST HIGHEST VALUE IS 1.76454 AT (671091.40, 4342277.23, 858.83,
891.46, 0.00) DC
2ND HIGHEST VALUE IS 1.54516 AT (671051.75, 4342332.07, 862.96,
887.54, 0.00) DC
3RD HIGHEST VALUE IS 1.39590 AT (671051.75, 4342369.20, 860.59,
891.64, 0.00) DC

897.36,	4TH HIGHEST VALUE IS 0.00) DC	1.37287 AT (	671174.86,	4342280.21,	855.66,
866.96,	5TH HIGHEST VALUE IS 0.00) DC	1.34609 AT (	671025.82,	4342265.68,	860.15,
896.72,	6TH HIGHEST VALUE IS 0.00) DC	1.15549 AT (	671025.82,	4342430.64,	851.38,
867.60,	7TH HIGHEST VALUE IS 0.00) DC	0.96583 AT (	670953.04,	4342360.76,	860.91,
897.82,	8TH HIGHEST VALUE IS 0.00) DC	0.92024 AT (	671226.19,	4342236.48,	855.31,
898.09,	9TH HIGHEST VALUE IS 0.00) DC	0.87840 AT (	671247.13,	4342265.68,	857.92,
875.04,	10TH HIGHEST VALUE IS 0.00) DC	0.82780 AT (	670583.20,	4341770.80,	875.04,
SRCGP10	1ST HIGHEST VALUE IS	2.60724 AT (	671366.89,	4341998.81,	854.07,
892.77,	0.00) DC				
897.82,	2ND HIGHEST VALUE IS 0.00) DC	2.31463 AT (	671226.19,	4342236.48,	855.31,
900.47,	3RD HIGHEST VALUE IS 0.00) DC	2.21327 AT (	671115.92,	4341863.81,	829.08,
898.09,	4TH HIGHEST VALUE IS 0.00) DC	2.00289 AT (	671247.13,	4342265.68,	857.92,
897.36,	5TH HIGHEST VALUE IS 0.00) DC	1.83234 AT (	671174.86,	4342280.21,	855.66,
896.59,	6TH HIGHEST VALUE IS 0.00) DC	1.68918 AT (	671025.82,	4341770.80,	852.14,
900.47,	7TH HIGHEST VALUE IS 0.00) DC	1.56488 AT (	671199.58,	4341770.65,	831.15,
891.46,	8TH HIGHEST VALUE IS 0.00) DC	1.48875 AT (	671091.40,	4342277.23,	858.83,
891.79,	9TH HIGHEST VALUE IS 0.00) DC	1.37438 AT (	671068.38,	4342169.93,	846.33,
887.54,	10TH HIGHEST VALUE IS 0.00) DC	1.20654 AT (	671051.75,	4342332.07,	862.96,
SRCGP11	1ST HIGHEST VALUE IS	15.76404 AT (	671115.92,	4341863.81,	829.08,
900.47,	0.00) DC				
892.77,	2ND HIGHEST VALUE IS 0.00) DC	14.80699 AT (	671366.89,	4341998.81,	854.07,
900.47,	3RD HIGHEST VALUE IS 0.00) DC	14.14587 AT (	671199.58,	4341770.65,	831.15,
896.59,	4TH HIGHEST VALUE IS 0.00) DC	10.14939 AT (	671025.82,	4341770.80,	852.14,
891.79,	5TH HIGHEST VALUE IS 0.00) DC	8.10197 AT (	671068.38,	4342169.93,	846.33,
900.47,	6TH HIGHEST VALUE IS 0.00) DC	6.30531 AT (	670979.02,	4341915.15,	823.46,
897.82,	7TH HIGHEST VALUE IS 0.00) DC	5.05358 AT (	671226.19,	4342236.48,	855.31,

891.48,	8TH HIGHEST VALUE IS	4.29449 AT (	670965.71,	4342179.44,	842.70,
0.00)	DC				
898.80,	9TH HIGHEST VALUE IS	4.17621 AT (	670895.36,	4342025.43,	820.91,
0.00)	DC				
897.36,	10TH HIGHEST VALUE IS	4.06897 AT (	671174.86,	4342280.21,	855.66,
0.00)	DC				
SRCGP12	1ST HIGHEST VALUE IS	16.58410 AT (	671366.89,	4341998.81,	854.07,
892.77,	0.00)	DC			
900.47,	2ND HIGHEST VALUE IS	10.34569 AT (	671199.58,	4341770.65,	831.15,
0.00)	DC				
892.77,	3RD HIGHEST VALUE IS	7.82524 AT (	671468.44,	4341935.76,	866.56,
0.00)	DC				
900.47,	4TH HIGHEST VALUE IS	6.15486 AT (	671115.92,	4341863.81,	829.08,
0.00)	DC				
891.79,	5TH HIGHEST VALUE IS	5.80584 AT (	671068.38,	4342169.93,	846.33,
0.00)	DC				
897.82,	6TH HIGHEST VALUE IS	5.52849 AT (	671226.19,	4342236.48,	855.31,
0.00)	DC				
891.48,	7TH HIGHEST VALUE IS	4.91190 AT (	670965.71,	4342179.44,	842.70,
0.00)	DC				
898.09,	8TH HIGHEST VALUE IS	4.59628 AT (	671247.13,	4342265.68,	857.92,
0.00)	DC				
892.77,	9TH HIGHEST VALUE IS	4.37351 AT (	671513.75,	4341991.52,	876.27,
0.00)	DC				
892.77,	10TH HIGHEST VALUE IS	4.11363 AT (	671541.78,	4341964.66,	874.92,
0.00)	DC				

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 *** 10/04/21
 *** AERMET - VERSION 14134 *** ***
 *** 13:59:48

PAGE 7

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF MAXIMUM PERIOD (43872
 HRS) RESULTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

		NETWORK		
GROUP ID		AVERAGE CONC		RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG)	OF TYPE	GRID-ID		
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -

SRCGP13	1ST HIGHEST VALUE IS	6.51560 AT (	668831.37,	4343371.27,	756.65,

821.00,	0.00) DC	6.37675 AT (	668908.63,	4343364.56,	758.24,
821.00,	0.00) DC				
	2ND HIGHEST VALUE IS	6.32980 AT (	671025.82,	4342430.64,	851.38,
896.72,	0.00) DC				
	4TH HIGHEST VALUE IS	5.99428 AT (	668591.41,	4343420.40,	752.89,
819.81,	0.00) DC				
	5TH HIGHEST VALUE IS	5.80000 AT (	668812.72,	4343420.40,	762.17,
819.81,	0.00) DC				
	6TH HIGHEST VALUE IS	5.70846 AT (	668851.52,	4343359.52,	757.17,
819.92,	0.00) DC				
	7TH HIGHEST VALUE IS	5.43933 AT (	669135.39,	4343305.77,	763.44,
850.65,	0.00) DC				
	8TH HIGHEST VALUE IS	5.33086 AT (	671068.38,	4342169.93,	846.33,
891.79,	0.00) DC				
	9TH HIGHEST VALUE IS	5.26418 AT (	671091.40,	4342277.23,	858.83,
891.46,	0.00) DC				
	10TH HIGHEST VALUE IS	5.17848 AT (	669034.03,	4343420.40,	762.28,
825.53,	0.00) DC				
SRCGP14	1ST HIGHEST VALUE IS	7.15367 AT (	671199.58,	4341770.65,	831.15,
900.47,	0.00) DC				
	2ND HIGHEST VALUE IS	5.27342 AT (	671366.89,	4341998.81,	854.07,
892.77,	0.00) DC				
	3RD HIGHEST VALUE IS	5.27079 AT (	671468.44,	4341935.76,	866.56,
892.77,	0.00) DC				
	4TH HIGHEST VALUE IS	4.54819 AT (	671635.08,	4341706.42,	854.34,
892.11,	0.00) DC				
	5TH HIGHEST VALUE IS	3.94739 AT (	671613.74,	4341791.15,	861.35,
892.77,	0.00) DC				
	6TH HIGHEST VALUE IS	3.67756 AT (	671673.48,	4341630.23,	845.73,
909.80,	0.00) DC				
	7TH HIGHEST VALUE IS	3.17078 AT (	671689.75,	4341605.84,	840.95,
913.26,	0.00) DC				
	8TH HIGHEST VALUE IS	3.06621 AT (	671693.59,	4341710.08,	852.82,
892.74,	0.00) DC				
	9TH HIGHEST VALUE IS	2.96779 AT (	671513.75,	4341991.52,	876.27,
892.77,	0.00) DC				
	10TH HIGHEST VALUE IS	2.86361 AT (	671541.78,	4341964.66,	874.92,
892.77,	0.00) DC				
SRCGP15	1ST HIGHEST VALUE IS	14.69041 AT (	669135.39,	4343305.77,	763.44,
850.65,	0.00) DC				
	2ND HIGHEST VALUE IS	14.05551 AT (	669222.73,	4343235.22,	773.04,
850.78,	0.00) DC				
	3RD HIGHEST VALUE IS	11.02958 AT (	668733.94,	4343302.41,	759.97,
819.41,	0.00) DC				
	4TH HIGHEST VALUE IS	10.37004 AT (	668908.63,	4343364.56,	758.24,
821.00,	0.00) DC				
	5TH HIGHEST VALUE IS	9.66211 AT (	668851.52,	4343359.52,	757.17,

819.92,	0.00) DC			
	6TH HIGHEST VALUE IS	8.02328	AT (	668831.37, 4343371.27, 756.65,
821.00,	0.00) DC			
	7TH HIGHEST VALUE IS	7.47454	AT (	668686.91, 4343199.95, 766.73,
769.00,	0.00) DC			
	8TH HIGHEST VALUE IS	6.91293	AT (	669034.03, 4343420.40, 762.28,
825.53,	0.00) DC			
	9TH HIGHEST VALUE IS	6.66719	AT (	669098.44, 4343411.59, 760.06,
826.15,	0.00) DC			
	10TH HIGHEST VALUE IS	5.21609	AT (	668812.72, 4343420.40, 762.17,
819.81,	0.00) DC			
SRCGP16	1ST HIGHEST VALUE IS	27.44317	AT (	671199.58, 4341770.65, 831.15,
900.47,	0.00) DC			
	2ND HIGHEST VALUE IS	13.81832	AT (	671115.92, 4341863.81, 829.08,
900.47,	0.00) DC			
	3RD HIGHEST VALUE IS	12.34442	AT (	671068.38, 4342169.93, 846.33,
891.79,	0.00) DC			
	4TH HIGHEST VALUE IS	11.06924	AT (	671366.89, 4341998.81, 854.07,
892.77,	0.00) DC			
	5TH HIGHEST VALUE IS	7.88081	AT (	671025.82, 4341770.80, 852.14,
896.59,	0.00) DC			
	6TH HIGHEST VALUE IS	7.26921	AT (	670979.02, 4341915.15, 823.46,
900.47,	0.00) DC			
	7TH HIGHEST VALUE IS	6.52036	AT (	670965.71, 4342179.44, 842.70,
891.48,	0.00) DC			
	8TH HIGHEST VALUE IS	5.14567	AT (	670895.36, 4342025.43, 820.91,
898.80,	0.00) DC			
	9TH HIGHEST VALUE IS	4.46764	AT (	671468.44, 4341935.76, 866.56,
892.77,	0.00) DC			
	10TH HIGHEST VALUE IS	4.29391	AT (	671226.19, 4342236.48, 855.31,
897.82,	0.00) DC			
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***	AERMET - VERSION 14134 ***	***		
	***	13:59:48		

PAGE 8

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF MAXIMUM PERIOD (43872

HRS) RESULTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,

ZHILL, ZFLAG) OF TYPE GRID-ID

ALL 1ST HIGHEST VALUE IS 135.37932 AT (669098.44, 4343411.59, 760.06,
826.15, 0.00) DC
2ND HIGHEST VALUE IS 124.95420 AT (671068.38, 4342169.93, 846.33,
891.79, 0.00) DC
3RD HIGHEST VALUE IS 119.91608 AT (669034.03, 4343420.40, 762.28,
825.53, 0.00) DC
4TH HIGHEST VALUE IS 89.39014 AT (671366.89, 4341998.81, 854.07,
892.77, 0.00) DC
5TH HIGHEST VALUE IS 79.09672 AT (671199.58, 4341770.65, 831.15,
900.47, 0.00) DC
6TH HIGHEST VALUE IS 77.08324 AT (669135.39, 4343305.77, 763.44,
850.65, 0.00) DC
7TH HIGHEST VALUE IS 64.01330 AT (670965.71, 4342179.44, 842.70,
891.48, 0.00) DC
8TH HIGHEST VALUE IS 62.09617 AT (671115.92, 4341863.81, 829.08,
900.47, 0.00) DC
9TH HIGHEST VALUE IS 51.10042 AT (671091.40, 4342277.23, 858.83,
891.46, 0.00) DC
10TH HIGHEST VALUE IS 49.63795 AT (671174.86, 4342280.21, 855.66,
897.36, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 9

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF VARIOUS IN MICROGRAMS/M**3

**

GROUP ID	DATE	RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK AVERAGE CONC OF TYPE GRID-ID (YYMMDDHH)	

- - - - -

SRCGP1	HIGH	1ST HIGH VALUE IS	1746.50973	ON 09120805: AT (	671068.38,
4342169.93,	846.33,	891.79,	0.00)	DC	
SRCGP2	HIGH	1ST HIGH VALUE IS	349.91080	ON 12111121: AT (	671366.89,
4341998.81,	854.07,	892.77,	0.00)	DC	
SRCGP3	HIGH	1ST HIGH VALUE IS	75.93293	ON 12013019: AT (	670140.58,
4343255.44,	825.59,	867.32,	0.00)	DC	
SRCGP4	HIGH	1ST HIGH VALUE IS	519.99565	ON 10020808: AT (	668671.79,
4343089.09,	771.48,	787.87,	0.00)	DC	
SRCGP5	HIGH	1ST HIGH VALUE IS	231.86991	ON 12121508: AT (	671199.58,
4341770.65,	831.15,	900.47,	0.00)	DC	
SRCGP6	HIGH	1ST HIGH VALUE IS	293.92943	ON 12121508: AT (	670361.89,
4342430.64,	813.60,	900.07,	0.00)	DC	
SRCGP7	HIGH	1ST HIGH VALUE IS	281.23299	ON 13031621: AT (	671366.89,
4341998.81,	854.07,	892.77,	0.00)	DC	
SRCGP8	HIGH	1ST HIGH VALUE IS	903.80233	ON 11121724: AT (	669034.03,
4343420.40,	762.28,	825.53,	0.00)	DC	
SRCGP9	HIGH	1ST HIGH VALUE IS	120.79506	ON 13042705: AT (	671464.71,
4342094.27,	883.59,	887.06,	0.00)	DC	
SRCGP10	HIGH	1ST HIGH VALUE IS	81.26490	ON 13050904: AT (	671498.58,
4342030.05,	879.16,	892.77,	0.00)	DC	
SRCGP11	HIGH	1ST HIGH VALUE IS	540.44394	ON 13082820: AT (	671366.89,
4341998.81,	854.07,	892.77,	0.00)	DC	
SRCGP12	HIGH	1ST HIGH VALUE IS	453.97089	ON 13020619: AT (	671068.38,
4342169.93,	846.33,	891.79,	0.00)	DC	
SRCGP13	HIGH	1ST HIGH VALUE IS	66.86902	ON 12071720: AT (	668812.72,
4343420.40,	762.17,	819.81,	0.00)	DC	
SRCGP14	HIGH	1ST HIGH VALUE IS	790.08822	ON 12121508: AT (	671199.58,
4341770.65,	831.15,	900.47,	0.00)	DC	
SRCGP15	HIGH	1ST HIGH VALUE IS	1208.24990	ON 12121508: AT (	668733.94,
4343302.41,	759.97,	819.41,	0.00)	DC	
SRCGP16	HIGH	1ST HIGH VALUE IS	227.96040	ON 13021807: AT (	671068.38,
4342169.93,	846.33,	891.79,	0.00)	DC	

ALL HIGH 1ST HIGH VALUE IS 3036.20991 ON 09122608: AT (671068.38,
4342169.93, 846.33, 891.79, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

▲ *** AERMOD - VERSION 19191 *** *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
*** 10/04/21
*** AERMET - VERSION 14134 *** ***
*** 13:59:48

PAGE 10

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 13479 Informational Message(s)

A Total of 43872 Hours Were Processed

A Total of 9055 Calm Hours Identified

A Total of 4424 Missing Hours Identified (10.08 Percent)

CAUTION!: Number of Missing Hours Exceeds 10 Percent of Total!
Data May Not Be Acceptable for Regulatory Applications.
See Section 5.3.2 of "Meteorological Monitoring Guidance
for Regulatory Modeling Applications" (EPA-454/R-99-005).

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
*** NONE ***

HARP2 - HRACalc (dated 21081) 11/3/2021 3:17:41 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 1
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: LongTerm24HR

****Worker Adjustment Factors****

Worker adjustment factors enabled: NO

****Fraction at time at home****

3rd Trimester to 16 years: OFF

16 years to 70 years: OFF

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05

Soil mixing depth (m): 0.01

Dermal climate: Mixed

HOME GROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden

Fraction leafy: 0.137

Fraction exposed: 0.137

Fraction protected: 0.137

Fraction root: 0.137

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|

Calculating cancer risk

Cancer risk breakdown by pollutant and receptor saved to:

C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-1CancerRisk.csv

Cancer risk total by receptor saved to: C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-1CancerRiskSumByRec.csv

Calculating chronic risk

Chronic risk breakdown by pollutant and receptor saved to:

C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-1NCChronicRisk.csv

Chronic risk total by receptor saved to: C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-1NCChronicRiskSumByRec.csv

Calculating acute risk

Acute risk breakdown by pollutant and receptor saved to:

C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-1NCAcuteRisk.csv

Acute risk total by receptor saved to: C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-1NCAcuteRiskSumByRec.csv

HRA ran successfully

HARP2 - HRACalc (dated 21081) 11/3/2021 3:19:06 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 1
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: LongTerm24HR

****Worker Adjustment Factors****

Worker adjustment factors enabled: NO

****Fraction at time at home****

3rd Trimester to 16 years: OFF

16 years to 70 years: OFF

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05

Soil mixing depth (m): 0.01

Dermal climate: Mixed

HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden

Fraction leafy: 0.137

Fraction exposed: 0.137

Fraction protected: 0.137

Fraction root: 0.137

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|

Calculating cancer risk

Cancer risk breakdown by pollutant and receptor saved to:

C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-1-MitCancerRisk.csv

Cancer risk total by receptor saved to: C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-1-MitCancerRiskSumByRec.csv

Calculating chronic risk

Chronic risk breakdown by pollutant and receptor saved to:

C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-1-MitNCChronicRisk.csv

Chronic risk total by receptor saved to: C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-1-MitNCChronicRiskSumByRec.csv

Calculating acute risk

Acute risk breakdown by pollutant and receptor saved to:

C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-1-MitNCAcuteRisk.csv

Acute risk total by receptor saved to: C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-1-MitNCAcuteRiskSumByRec.csv

HRA ran successfully

HARP2 - HRACalc (dated 21081) 11/3/2021 3:20:19 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 0.75
Total Exposure Duration: 5

Exposure Duration Bin Distribution

3rd Trimester Bin: 0
0<2 Years Bin: 1.25
2<9 Years Bin: 3.75
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: LongTerm24HR

****Worker Adjustment Factors****

Worker adjustment factors enabled: NO

****Fraction at time at home****

3rd Trimester to 16 years: OFF

16 years to 70 years: OFF

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05

Soil mixing depth (m): 0.01

Dermal climate: Mixed

HOME GROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden

Fraction leafy: 0.137

Fraction exposed: 0.137

Fraction protected: 0.137

Fraction root: 0.137

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|

Calculating cancer risk

Cancer risk breakdown by pollutant and receptor saved to:

C:\Users\apol1\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-2CancerRisk.csv

Cancer risk total by receptor saved to: C:\Users\apol1\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-2CancerRiskSumByRec.csv

Calculating chronic risk

Chronic risk breakdown by pollutant and receptor saved to:

C:\Users\apol1\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-2NCChronicRisk.csv

Chronic risk total by receptor saved to: C:\Users\apol1\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-2NCChronicRiskSumByRec.csv

Calculating acute risk

Acute risk breakdown by pollutant and receptor saved to:

C:\Users\apol1\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-2NCAcuteRisk.csv

Acute risk total by receptor saved to: C:\Users\apol1\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-2NCAcuteRiskSumByRec.csv

HRA ran successfully

HARP2 - HRACalc (dated 21081) 11/3/2021 3:21:55 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 5.75
Total Exposure Duration: 6

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 3.25
2<16 Years Bin: 2.75
16<30 Years Bin: 0
16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: LongTerm24HR

****Worker Adjustment Factors****

Worker adjustment factors enabled: NO

****Fraction at time at home****

3rd Trimester to 16 years: OFF

16 years to 70 years: OFF

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05

Soil mixing depth (m): 0.01

Dermal climate: Mixed

HOME GROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden

Fraction leafy: 0.137

Fraction exposed: 0.137

Fraction protected: 0.137

Fraction root: 0.137

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|

Calculating cancer risk

Cancer risk breakdown by pollutant and receptor saved to:

C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-3CancerRisk.csv

Cancer risk total by receptor saved to: C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-3CancerRiskSumByRec.csv

Calculating chronic risk

Chronic risk breakdown by pollutant and receptor saved to:

C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-3NCChronicRisk.csv

Chronic risk total by receptor saved to: C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-3NCChronicRiskSumByRec.csv

Calculating acute risk

Acute risk breakdown by pollutant and receptor saved to:

C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-3NCAcuteRisk.csv

Acute risk total by receptor saved to: C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-3NCAcuteRiskSumByRec.csv

HRA ran successfully

HARP2 - HRACalc (dated 21081) 11/3/2021 3:23:00 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 11.75
Total Exposure Duration: 18

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 4.25
16<30 Years Bin: 13.75
16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: LongTerm24HR

****Worker Adjustment Factors****

Worker adjustment factors enabled: NO

****Fraction at time at home****

3rd Trimester to 16 years: OFF

16 years to 70 years: OFF

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05

Soil mixing depth (m): 0.01

Dermal climate: Mixed

HOME GROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden

Fraction leafy: 0.137

Fraction exposed: 0.137

Fraction protected: 0.137

Fraction root: 0.137

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|

Calculating cancer risk

Cancer risk breakdown by pollutant and receptor saved to:

C:\Users\apol1\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-4CancerRisk.csv

Cancer risk total by receptor saved to: C:\Users\apol1\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-4CancerRiskSumByRec.csv

Calculating chronic risk

Chronic risk breakdown by pollutant and receptor saved to:

C:\Users\apol1\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-4NCChronicRisk.csv

Chronic risk total by receptor saved to: C:\Users\apol1\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-4NCChronicRiskSumByRec.csv

Calculating acute risk

Acute risk breakdown by pollutant and receptor saved to:

C:\Users\apol1\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-4NCAcuteRisk.csv

Acute risk total by receptor saved to: C:\Users\apol1\Desktop\HARP2\HARP\IMM\IMM - Blue Canyon 10.4.21-2\RISE IMM HARP - 0.01%\hra\Res-4NCAcuteRiskSumByRec.csv

HRA ran successfully

Unmitigated Cancer Risk

REC	GRP	X	Y	Risk
1	ALL	668148.8	4340781.04	4.04E-07
2	ALL	668370.1	4340781.04	4.50E-07
3	ALL	668591.4	4340781.04	4.99E-07
4	ALL	668812.7	4340781.04	5.44E-07
5	ALL	669034	4340781.04	6.09E-07
6	ALL	669255.3	4340781.04	6.88E-07
7	ALL	669476.7	4340781.04	7.66E-07
8	ALL	669698	4340781.04	8.65E-07
9	ALL	669919.3	4340781.04	1.10E-06
10	ALL	670140.6	4340781.04	1.26E-06
11	ALL	670361.9	4340781.04	1.24E-06
12	ALL	670583.2	4340781.04	9.07E-07
13	ALL	670804.5	4340781.04	8.39E-07
14	ALL	671025.8	4340781.04	6.65E-07
15	ALL	671247.1	4340781.04	6.49E-07
16	ALL	671468.4	4340781.04	8.25E-07
17	ALL	671689.8	4340781.04	1.13E-06
18	ALL	671911.1	4340781.04	1.06E-06
19	ALL	672132.4	4340781.04	6.02E-07
20	ALL	672353.7	4340781.04	9.87E-07
21	ALL	672575	4340781.04	1.21E-06
22	ALL	668148.8	4340946	4.00E-07
23	ALL	668370.1	4340946	4.45E-07
24	ALL	668591.4	4340946	4.92E-07
25	ALL	668812.7	4340946	5.45E-07
26	ALL	669034	4340946	6.25E-07
27	ALL	669255.3	4340946	7.03E-07
28	ALL	669476.7	4340946	7.87E-07
29	ALL	669698	4340946	9.28E-07
30	ALL	669919.3	4340946	1.28E-06
31	ALL	670140.6	4340946	1.40E-06
32	ALL	670361.9	4340946	1.48E-06
33	ALL	670583.2	4340946	1.43E-06
34	ALL	670804.5	4340946	9.84E-07
35	ALL	671025.8	4340946	7.27E-07
36	ALL	671247.1	4340946	6.76E-07
37	ALL	671468.4	4340946	7.96E-07
38	ALL	671689.8	4340946	1.46E-06
39	ALL	671911.1	4340946	1.67E-06
40	ALL	672132.4	4340946	5.81E-07
41	ALL	672353.7	4340946	7.14E-07
42	ALL	672575	4340946	1.21E-06
43	ALL	668148.8	4341110.96	4.04E-07
44	ALL	668370.1	4341110.96	4.37E-07
45	ALL	668591.4	4341110.96	4.93E-07
46	ALL	668812.7	4341110.96	5.51E-07
47	ALL	669034	4341110.96	6.22E-07
48	ALL	669255.3	4341110.96	6.94E-07
49	ALL	669476.7	4341110.96	8.10E-07

Unmitigated Cancer Risk

50 ALL	669698	4341110.96	9.64E-07
51 ALL	669919.3	4341110.96	1.11E-06
52 ALL	670140.6	4341110.96	1.51E-06
53 ALL	670361.9	4341110.96	1.51E-06
54 ALL	670583.2	4341110.96	1.25E-06
55 ALL	670804.5	4341110.96	9.85E-07
56 ALL	671025.8	4341110.96	7.90E-07
57 ALL	671247.1	4341110.96	8.47E-07
58 ALL	671468.4	4341110.96	9.91E-07
59 ALL	671689.8	4341110.96	2.34E-06
60 ALL	671911.1	4341110.96	1.89E-06
61 ALL	672132.4	4341110.96	6.00E-07
62 ALL	672353.7	4341110.96	5.40E-07
63 ALL	672575	4341110.96	1.27E-06
64 ALL	668148.8	4341275.92	4.12E-07
65 ALL	668370.1	4341275.92	4.46E-07
66 ALL	668591.4	4341275.92	4.96E-07
67 ALL	668812.7	4341275.92	5.61E-07
68 ALL	669034	4341275.92	6.40E-07
69 ALL	669255.3	4341275.92	7.22E-07
70 ALL	669476.7	4341275.92	8.20E-07
71 ALL	669698	4341275.92	9.58E-07
72 ALL	669919.3	4341275.92	1.34E-06
73 ALL	670140.6	4341275.92	1.31E-06
74 ALL	670361.9	4341275.92	1.30E-06
75 ALL	670583.2	4341275.92	1.11E-06
76 ALL	670804.5	4341275.92	1.15E-06
77 ALL	671025.8	4341275.92	1.07E-06
78 ALL	671247.1	4341275.92	1.29E-06
79 ALL	671468.4	4341275.92	2.67E-06
80 ALL	671689.8	4341275.92	3.75E-06
81 ALL	671911.1	4341275.92	2.38E-06
82 ALL	672132.4	4341275.92	7.27E-07
83 ALL	672353.7	4341275.92	5.46E-07
84 ALL	672575	4341275.92	1.29E-06
85 ALL	668148.8	4341440.88	4.23E-07
86 ALL	668370.1	4341440.88	4.55E-07
87 ALL	668591.4	4341440.88	4.99E-07
88 ALL	668812.7	4341440.88	5.65E-07
89 ALL	669034	4341440.88	6.40E-07
90 ALL	669255.3	4341440.88	7.17E-07
91 ALL	669476.7	4341440.88	8.25E-07
92 ALL	669698	4341440.88	9.76E-07
93 ALL	669919.3	4341440.88	1.28E-06
94 ALL	670140.6	4341440.88	1.15E-06
95 ALL	670361.9	4341440.88	1.19E-06
96 ALL	670583.2	4341440.88	1.18E-06
97 ALL	670804.5	4341440.88	1.55E-06
98 ALL	671025.8	4341440.88	1.62E-06
99 ALL	671689.8	4341440.88	5.77E-06

Unmitigated Cancer Risk

100 ALL	671911.1	4341440.88	2.63E-06
101 ALL	672132.4	4341440.88	9.35E-07
102 ALL	672353.7	4341440.88	8.32E-07
103 ALL	672575	4341440.88	1.26E-06
104 ALL	668148.8	4341605.84	4.39E-07
105 ALL	668370.1	4341605.84	4.65E-07
106 ALL	668591.4	4341605.84	5.09E-07
107 ALL	668812.7	4341605.84	5.68E-07
108 ALL	669034	4341605.84	6.37E-07
109 ALL	669255.3	4341605.84	7.23E-07
110 ALL	669476.7	4341605.84	8.31E-07
111 ALL	669698	4341605.84	9.63E-07
112 ALL	669919.3	4341605.84	1.17E-06
113 ALL	670140.6	4341605.84	1.18E-06
114 ALL	670361.9	4341605.84	1.07E-06
115 ALL	670583.2	4341605.84	1.29E-06
116 ALL	670804.5	4341605.84	2.15E-06
117 ALL	671025.8	4341605.84	2.52E-06
118 ALL	671689.8	4341605.84	9.05E-06
119 ALL	671911.1	4341605.84	3.61E-06
120 ALL	672132.4	4341605.84	1.54E-06
121 ALL	672353.7	4341605.84	1.11E-06
122 ALL	672575	4341605.84	1.35E-06
123 ALL	668148.8	4341770.8	4.69E-07
124 ALL	668370.1	4341770.8	4.79E-07
125 ALL	668591.4	4341770.8	5.14E-07
126 ALL	668812.7	4341770.8	5.72E-07
127 ALL	669034	4341770.8	6.49E-07
128 ALL	669255.3	4341770.8	7.42E-07
129 ALL	669476.7	4341770.8	8.33E-07
130 ALL	669698	4341770.8	1.09E-06
131 ALL	669919.3	4341770.8	1.06E-06
132 ALL	670140.6	4341770.8	9.94E-07
133 ALL	670361.9	4341770.8	9.02E-07
134 ALL	670583.2	4341770.8	1.51E-06
135 ALL	670804.5	4341770.8	3.66E-06
136 ALL	671025.8	4341770.8	6.88E-06
137 ALL	671689.8	4341770.8	7.51E-06
138 ALL	671911.1	4341770.8	3.77E-06
139 ALL	672132.4	4341770.8	1.34E-06
140 ALL	672353.7	4341770.8	8.42E-07
141 ALL	672575	4341770.8	1.34E-06
142 ALL	668148.8	4341935.76	5.09E-07
143 ALL	668370.1	4341935.76	5.10E-07
144 ALL	668591.4	4341935.76	5.27E-07
145 ALL	668812.7	4341935.76	5.83E-07
146 ALL	669034	4341935.76	6.64E-07
147 ALL	669255.3	4341935.76	7.42E-07
148 ALL	669476.7	4341935.76	9.84E-07
149 ALL	669698	4341935.76	8.88E-07

Unmitigated Cancer Risk

150 ALL	669919.3	4341935.76	7.01E-07
151 ALL	670140.6	4341935.76	7.67E-07
152 ALL	670361.9	4341935.76	9.69E-07
153 ALL	670583.2	4341935.76	2.19E-06
154 ALL	670804.5	4341935.76	4.23E-06
155 ALL	671468.4	4341935.76	1.71E-05
156 ALL	671689.8	4341935.76	5.13E-06
157 ALL	671911.1	4341935.76	2.91E-06
158 ALL	672132.4	4341935.76	1.24E-06
159 ALL	672353.7	4341935.76	7.68E-07
160 ALL	672575	4341935.76	1.38E-06
161 ALL	668148.8	4342100.72	5.67E-07
162 ALL	668370.1	4342100.72	5.42E-07
163 ALL	668591.4	4342100.72	5.51E-07
164 ALL	668812.7	4342100.72	6.01E-07
165 ALL	669034	4342100.72	6.80E-07
166 ALL	669255.3	4342100.72	7.67E-07
167 ALL	669476.7	4342100.72	9.93E-07
168 ALL	669698	4342100.72	1.08E-06
169 ALL	669919.3	4342100.72	1.14E-06
170 ALL	670140.6	4342100.72	1.02E-06
171 ALL	670361.9	4342100.72	1.97E-06
172 ALL	670583.2	4342100.72	2.87E-06
173 ALL	671468.4	4342100.72	7.73E-06
174 ALL	671689.8	4342100.72	3.51E-06
175 ALL	671911.1	4342100.72	2.34E-06
176 ALL	672132.4	4342100.72	1.30E-06
177 ALL	672353.7	4342100.72	7.96E-07
178 ALL	672575	4342100.72	1.33E-06
179 ALL	668148.8	4342265.68	6.41E-07
180 ALL	668370.1	4342265.68	6.03E-07
181 ALL	668591.4	4342265.68	6.20E-07
182 ALL	668812.7	4342265.68	6.30E-07
183 ALL	669034	4342265.68	6.99E-07
184 ALL	669255.3	4342265.68	8.00E-07
185 ALL	669476.7	4342265.68	9.11E-07
186 ALL	669698	4342265.68	1.04E-06
187 ALL	669919.3	4342265.68	1.22E-06
188 ALL	670140.6	4342265.68	1.49E-06
189 ALL	670361.9	4342265.68	2.09E-06
190 ALL	670583.2	4342265.68	4.41E-06
191 ALL	670804.5	4342265.68	5.37E-06
192 ALL	671025.8	4342265.68	8.72E-06
193 ALL	671247.1	4342265.68	1.19E-05
194 ALL	671468.4	4342265.68	5.25E-06
195 ALL	671689.8	4342265.68	2.87E-06
196 ALL	671911.1	4342265.68	1.81E-06
197 ALL	672132.4	4342265.68	1.55E-06
198 ALL	672353.7	4342265.68	1.15E-06
199 ALL	672575	4342265.68	1.19E-06

Unmitigated Cancer Risk

200 ALL	668148.8	4342430.64	6.77E-07
201 ALL	668370.1	4342430.64	7.75E-07
202 ALL	668591.4	4342430.64	7.85E-07
203 ALL	668812.7	4342430.64	7.88E-07
204 ALL	669034	4342430.64	7.96E-07
205 ALL	669255.3	4342430.64	8.54E-07
206 ALL	669476.7	4342430.64	9.98E-07
207 ALL	669698	4342430.64	1.21E-06
208 ALL	669919.3	4342430.64	1.37E-06
209 ALL	670140.6	4342430.64	1.92E-06
210 ALL	670361.9	4342430.64	4.08E-06
211 ALL	670583.2	4342430.64	3.02E-06
212 ALL	670804.5	4342430.64	4.25E-06
213 ALL	671025.8	4342430.64	7.14E-06
214 ALL	671247.1	4342430.64	4.79E-06
215 ALL	671468.4	4342430.64	3.47E-06
216 ALL	671689.8	4342430.64	2.13E-06
217 ALL	671911.1	4342430.64	1.46E-06
218 ALL	672132.4	4342430.64	1.39E-06
219 ALL	672353.7	4342430.64	1.33E-06
220 ALL	672575	4342430.64	1.12E-06
221 ALL	668148.8	4342595.6	7.62E-07
222 ALL	668370.1	4342595.6	8.98E-07
223 ALL	668591.4	4342595.6	9.95E-07
224 ALL	668812.7	4342595.6	1.03E-06
225 ALL	669034	4342595.6	9.96E-07
226 ALL	669255.3	4342595.6	1.02E-06
227 ALL	669476.7	4342595.6	1.61E-06
228 ALL	669698	4342595.6	2.83E-06
229 ALL	669919.3	4342595.6	2.84E-06
230 ALL	670140.6	4342595.6	3.16E-06
231 ALL	670361.9	4342595.6	2.47E-06
232 ALL	670583.2	4342595.6	2.41E-06
233 ALL	670804.5	4342595.6	3.90E-06
234 ALL	671025.8	4342595.6	5.26E-06
235 ALL	671247.1	4342595.6	4.23E-06
236 ALL	671468.4	4342595.6	2.37E-06
237 ALL	671689.8	4342595.6	1.50E-06
238 ALL	671911.1	4342595.6	1.03E-06
239 ALL	672132.4	4342595.6	9.72E-07
240 ALL	672353.7	4342595.6	1.28E-06
241 ALL	672575	4342595.6	1.02E-06
242 ALL	668148.8	4342760.56	8.56E-07
243 ALL	668370.1	4342760.56	1.14E-06
244 ALL	668591.4	4342760.56	1.37E-06
245 ALL	668812.7	4342760.56	1.54E-06
246 ALL	669034	4342760.56	1.31E-06
247 ALL	669255.3	4342760.56	1.29E-06
248 ALL	669476.7	4342760.56	2.78E-06
249 ALL	669698	4342760.56	1.55E-06

Unmitigated Cancer Risk

250 ALL	669919.3	4342760.56	1.74E-06
251 ALL	670140.6	4342760.56	2.02E-06
252 ALL	670361.9	4342760.56	2.44E-06
253 ALL	670583.2	4342760.56	2.16E-06
254 ALL	670804.5	4342760.56	3.11E-06
255 ALL	671025.8	4342760.56	3.28E-06
256 ALL	671247.1	4342760.56	2.33E-06
257 ALL	671468.4	4342760.56	1.81E-06
258 ALL	671689.8	4342760.56	1.29E-06
259 ALL	671911.1	4342760.56	8.36E-07
260 ALL	672132.4	4342760.56	7.39E-07
261 ALL	672353.7	4342760.56	1.20E-06
262 ALL	672575	4342760.56	9.94E-07
263 ALL	668148.8	4342925.52	8.69E-07
264 ALL	668370.1	4342925.52	1.28E-06
265 ALL	668591.4	4342925.52	1.78E-06
266 ALL	668812.7	4342925.52	2.51E-06
267 ALL	669034	4342925.52	3.33E-06
268 ALL	669476.7	4342925.52	2.29E-06
269 ALL	669698	4342925.52	1.44E-06
270 ALL	669919.3	4342925.52	1.60E-06
271 ALL	670140.6	4342925.52	1.96E-06
272 ALL	670361.9	4342925.52	2.22E-06
273 ALL	670583.2	4342925.52	2.75E-06
274 ALL	670804.5	4342925.52	3.09E-06
275 ALL	671025.8	4342925.52	1.68E-06
276 ALL	671247.1	4342925.52	1.77E-06
277 ALL	671468.4	4342925.52	1.36E-06
278 ALL	671689.8	4342925.52	1.05E-06
279 ALL	671911.1	4342925.52	7.38E-07
280 ALL	672132.4	4342925.52	5.42E-07
281 ALL	672353.7	4342925.52	6.78E-07
282 ALL	672575	4342925.52	9.50E-07
283 ALL	668148.8	4343090.48	8.07E-07
284 ALL	668370.1	4343090.48	1.27E-06
285 ALL	668591.4	4343090.48	2.29E-06
286 ALL	669476.7	4343090.48	2.09E-06
287 ALL	669698	4343090.48	1.41E-06
288 ALL	669919.3	4343090.48	1.38E-06
289 ALL	670140.6	4343090.48	1.63E-06
290 ALL	670361.9	4343090.48	1.74E-06
291 ALL	670583.2	4343090.48	1.84E-06
292 ALL	670804.5	4343090.48	2.39E-06
293 ALL	671025.8	4343090.48	1.34E-06
294 ALL	671247.1	4343090.48	1.37E-06
295 ALL	671468.4	4343090.48	1.11E-06
296 ALL	671689.8	4343090.48	8.63E-07
297 ALL	671911.1	4343090.48	6.41E-07
298 ALL	672132.4	4343090.48	4.92E-07
299 ALL	672353.7	4343090.48	3.79E-07

Unmitigated Cancer Risk

300 ALL	672575	4343090.48	4.12E-07
301 ALL	668148.8	4343255.44	7.42E-07
302 ALL	668370.1	4343255.44	1.20E-06
303 ALL	668591.4	4343255.44	3.23E-06
304 ALL	669476.7	4343255.44	1.75E-06
305 ALL	669698	4343255.44	1.59E-06
306 ALL	669919.3	4343255.44	1.52E-06
307 ALL	670140.6	4343255.44	1.61E-06
308 ALL	670361.9	4343255.44	1.51E-06
309 ALL	670583.2	4343255.44	1.49E-06
310 ALL	670804.5	4343255.44	1.64E-06
311 ALL	671025.8	4343255.44	1.14E-06
312 ALL	671247.1	4343255.44	1.08E-06
313 ALL	671468.4	4343255.44	9.59E-07
314 ALL	671689.8	4343255.44	7.29E-07
315 ALL	671911.1	4343255.44	5.60E-07
316 ALL	672132.4	4343255.44	4.44E-07
317 ALL	672353.7	4343255.44	3.62E-07
318 ALL	672575	4343255.44	2.87E-07
319 ALL	668148.8	4343420.4	6.87E-07
320 ALL	668370.1	4343420.4	1.19E-06
321 ALL	668591.4	4343420.4	3.21E-06
322 ALL	668812.7	4343420.4	8.44E-06
323 ALL	669034	4343420.4	1.10E-05
324 ALL	669255.3	4343420.4	4.77E-06
325 ALL	669476.7	4343420.4	1.72E-06
326 ALL	669698	4343420.4	1.17E-06
327 ALL	669919.3	4343420.4	1.16E-06
328 ALL	670140.6	4343420.4	1.16E-06
329 ALL	670361.9	4343420.4	1.20E-06
330 ALL	670583.2	4343420.4	1.26E-06
331 ALL	670804.5	4343420.4	1.40E-06
332 ALL	671025.8	4343420.4	1.71E-06
333 ALL	671247.1	4343420.4	1.14E-06
334 ALL	671468.4	4343420.4	7.96E-07
335 ALL	671689.8	4343420.4	6.43E-07
336 ALL	671911.1	4343420.4	4.97E-07
337 ALL	672132.4	4343420.4	3.93E-07
338 ALL	672353.7	4343420.4	3.16E-07
339 ALL	672575	4343420.4	2.63E-07
340 ALL	668148.8	4343585.36	6.15E-07
341 ALL	668370.1	4343585.36	9.77E-07
342 ALL	668591.4	4343585.36	2.31E-06
343 ALL	668812.7	4343585.36	4.08E-06
344 ALL	669034	4343585.36	4.26E-06
345 ALL	669255.3	4343585.36	2.53E-06
346 ALL	669476.7	4343585.36	1.30E-06
347 ALL	669698	4343585.36	1.00E-06
348 ALL	669919.3	4343585.36	9.68E-07
349 ALL	670140.6	4343585.36	9.96E-07

Unmitigated Cancer Risk

350 ALL	670361.9	4343585.36	1.05E-06
351 ALL	670583.2	4343585.36	1.11E-06
352 ALL	670804.5	4343585.36	1.20E-06
353 ALL	671025.8	4343585.36	1.26E-06
354 ALL	671247.1	4343585.36	1.07E-06
355 ALL	671468.4	4343585.36	7.77E-07
356 ALL	671689.8	4343585.36	6.26E-07
357 ALL	671911.1	4343585.36	4.76E-07
358 ALL	672132.4	4343585.36	3.80E-07
359 ALL	672353.7	4343585.36	2.99E-07
360 ALL	672575	4343585.36	2.53E-07
361 ALL	668148.8	4343750.32	6.61E-07
362 ALL	668370.1	4343750.32	9.24E-07
363 ALL	668591.4	4343750.32	1.67E-06
364 ALL	668812.7	4343750.32	2.60E-06
365 ALL	669034	4343750.32	2.47E-06
366 ALL	669255.3	4343750.32	1.73E-06
367 ALL	669476.7	4343750.32	1.12E-06
368 ALL	669698	4343750.32	9.06E-07
369 ALL	669919.3	4343750.32	8.72E-07
370 ALL	670140.6	4343750.32	8.93E-07
371 ALL	670361.9	4343750.32	9.46E-07
372 ALL	670583.2	4343750.32	9.83E-07
373 ALL	670804.5	4343750.32	1.04E-06
374 ALL	671025.8	4343750.32	1.08E-06
375 ALL	671247.1	4343750.32	1.18E-06
376 ALL	671468.4	4343750.32	1.15E-06
377 ALL	671689.8	4343750.32	1.13E-06
378 ALL	671911.1	4343750.32	7.35E-07
379 ALL	672132.4	4343750.32	4.08E-07
380 ALL	672353.7	4343750.32	3.04E-07
381 ALL	672575	4343750.32	2.57E-07
382 ALL	668148.8	4343915.28	7.07E-07
383 ALL	668370.1	4343915.28	9.23E-07
384 ALL	668591.4	4343915.28	1.35E-06
385 ALL	668812.7	4343915.28	1.83E-06
386 ALL	669034	4343915.28	1.80E-06
387 ALL	669255.3	4343915.28	1.36E-06
388 ALL	669476.7	4343915.28	9.86E-07
389 ALL	669698	4343915.28	8.31E-07
390 ALL	669919.3	4343915.28	7.97E-07
391 ALL	670140.6	4343915.28	8.19E-07
392 ALL	670361.9	4343915.28	8.44E-07
393 ALL	670583.2	4343915.28	8.95E-07
394 ALL	670804.5	4343915.28	9.31E-07
395 ALL	671025.8	4343915.28	9.54E-07
396 ALL	671247.1	4343915.28	9.57E-07
397 ALL	671468.4	4343915.28	1.05E-06
398 ALL	671689.8	4343915.28	1.01E-06
399 ALL	671911.1	4343915.28	6.30E-07

Unmitigated Cancer Risk

400 ALL	672132.4	4343915.28	5.21E-07
401 ALL	672353.7	4343915.28	3.86E-07
402 ALL	672575	4343915.28	3.00E-07
403 ALL	668148.8	4344080.24	6.77E-07
404 ALL	668370.1	4344080.24	8.78E-07
405 ALL	668591.4	4344080.24	1.16E-06
406 ALL	668812.7	4344080.24	1.43E-06
407 ALL	669034	4344080.24	1.41E-06
408 ALL	669255.3	4344080.24	1.13E-06
409 ALL	669476.7	4344080.24	8.90E-07
410 ALL	669698	4344080.24	7.69E-07
411 ALL	669919.3	4344080.24	7.38E-07
412 ALL	670140.6	4344080.24	7.63E-07
413 ALL	670361.9	4344080.24	7.67E-07
414 ALL	670583.2	4344080.24	8.12E-07
415 ALL	670804.5	4344080.24	8.44E-07
416 ALL	671025.8	4344080.24	1.11E-06
417 ALL	671247.1	4344080.24	8.59E-07
418 ALL	671468.4	4344080.24	7.71E-07
419 ALL	671689.8	4344080.24	7.24E-07
420 ALL	671911.1	4344080.24	4.03E-07
421 ALL	672132.4	4344080.24	3.28E-07
422 ALL	672353.7	4344080.24	2.93E-07
423 ALL	672575	4344080.24	2.47E-07
424 ALL	671464.7	4342094.27	8.12E-06
425 ALL	671482.2	4342063.91	8.52E-06
426 ALL	671498.6	4342030.05	8.91E-06
427 ALL	671513.8	4341991.52	9.58E-06
428 ALL	671541.8	4341964.66	9.08E-06
429 ALL	671575.6	4341974	7.11E-06
430 ALL	671460.8	4342162.97	6.55E-06
431 ALL	671451	4342187.35	6.35E-06
432 ALL	671510.7	4342219.66	4.92E-06
433 ALL	671524.1	4342192.84	4.91E-06
434 ALL	671522.9	4342250.74	4.52E-06
435 ALL	671599.1	4342252.57	3.62E-06
436 ALL	671627.8	4342256.84	3.35E-06
437 ALL	671583.9	4342116.03	4.40E-06
438 ALL	671595.5	4342071.54	4.62E-06
439 ALL	671663.1	4342056.3	3.99E-06
440 ALL	671600.9	4342030.09	5.20E-06
441 ALL	671526.6	4342155.65	5.13E-06
442 ALL	671629	4342292.19	3.21E-06
443 ALL	671641.8	4341980.71	5.19E-06
444 ALL	671666.8	4342018.51	4.33E-06
445 ALL	671407.1	4342219.66	6.94E-06
446 ALL	671415.6	4342183.08	7.50E-06
447 ALL	671635.1	4341706.42	1.20E-05
448 ALL	671693.6	4341710.08	8.73E-06
449 ALL	671719.8	4341736.29	7.67E-06

Unmitigated Cancer Risk

450 ALL	671673.5	4341630.23	1.01E-05
451 ALL	671888	4341936.22	3.19E-06
452 ALL	671977.6	4341952.07	2.20E-06
453 ALL	672039.2	4341894.77	1.74E-06
454 ALL	671858.2	4341753.96	4.79E-06
455 ALL	671922.8	4341634.49	3.54E-06
456 ALL	671613.7	4341791.15	1.07E-05
457 ALL	671853.3	4341730.8	4.87E-06
458 ALL	671783.8	4341585.73	5.75E-06
459 ALL	671783.2	4341546.72	5.39E-06
460 ALL	671769.2	4341461.38	4.67E-06
461 ALL	671800.9	4341420.54	4.10E-06
462 ALL	671880.1	4341427.25	3.04E-06
463 ALL	672012.4	4341504.66	1.40E-06
464 ALL	672084.3	4341547.94	1.46E-06
465 ALL	671915.5	4341478.45	2.72E-06
466 ALL	671903.3	4341564.4	3.50E-06
467 ALL	671863.1	4341522.34	3.91E-06
468 ALL	671830.1	4341336.43	3.58E-06
469 ALL	671835.6	4341287.66	3.39E-06
470 ALL	671825.9	4341275.47	3.48E-06
471 ALL	672136.7	4341370.56	7.86E-07
472 ALL	671920.3	4341307.17	2.02E-06
473 ALL	671695.4	4341257.19	3.46E-06
474 ALL	671682	4341176.12	2.32E-06
475 ALL	671991.7	4341196.23	1.82E-06
476 ALL	672022.1	4341231.59	1.43E-06
477 ALL	671992.3	4341177.95	1.46E-06
478 ALL	671540.6	4341238.29	1.55E-06
479 ALL	671575.3	4341177.95	1.25E-06
480 ALL	671454.7	4341196.23	1.31E-06
481 ALL	671523.5	4341116.38	1.04E-06
482 ALL	671413.2	4341126.74	1.07E-06
483 ALL	671471.1	4341064.57	9.29E-07
484 ALL	671601.6	4341050.55	1.37E-06
485 ALL	671198.6	4341253.53	1.06E-06
486 ALL	671278.5	4341212.08	1.10E-06
487 ALL	671230.3	4341132.84	8.36E-07
488 ALL	671073.1	4341271.82	1.04E-06
489 ALL	671122.5	4341373.61	1.54E-06
490 ALL	671118.8	4341397.38	1.69E-06
491 ALL	670978.4	4341324.15	1.21E-06
492 ALL	670932.9	4341394.21	1.42E-06
493 ALL	670935.2	4341367.36	1.35E-06
494 ALL	671108	4340976.17	6.83E-07
495 ALL	671286.7	4340978.51	7.13E-07
496 ALL	671675.4	4342488.78	1.92E-06
497 ALL	671091.4	4342277.23	1.04E-05
498 ALL	671051.8	4342332.07	7.62E-06
499 ALL	671051.8	4342369.2	7.65E-06

Unmitigated Cancer Risk

500 ALL	670953	4342360.76	6.34E-06
501 ALL	670695.7	4342235.89	4.70E-06
502 ALL	670545.5	4342318.58	4.12E-06
503 ALL	670711.7	4342488.16	3.61E-06
504 ALL	670648.3	4342501.73	3.02E-06
505 ALL	670648.3	4342630.87	1.95E-06
506 ALL	670806.3	4342728.41	3.08E-06
507 ALL	670688.2	4342739.41	1.82E-06
508 ALL	670804.9	4342427.55	4.27E-06
509 ALL	670439.5	4342471.51	3.37E-06
510 ALL	670358.4	4342578.67	2.58E-06
511 ALL	670546.6	4342662.47	2.63E-06
512 ALL	670537	4342595.15	2.62E-06
513 ALL	670483.5	4342776.5	2.42E-06
514 ALL	670508.2	4342754.52	2.43E-06
515 ALL	670517.8	4342868.54	2.46E-06
516 ALL	670545.3	4342850.69	2.30E-06
517 ALL	670582.4	4342878.16	2.49E-06
518 ALL	670304.9	4342688.57	2.08E-06
519 ALL	670039.7	4342661.1	2.71E-06
520 ALL	670156.5	4342673.46	2.13E-06
521 ALL	670236.2	4342648.73	2.21E-06
522 ALL	670071.3	4342738.03	1.87E-06
523 ALL	669990.2	4342753.14	1.83E-06
524 ALL	669928.4	4342742.15	1.83E-06
525 ALL	669815.8	4342673.46	1.97E-06
526 ALL	669743	4342655.6	1.95E-06
527 ALL	669791	4342744.9	1.62E-06
528 ALL	669696.3	4342731.16	1.60E-06
529 ALL	669536.9	4342552.57	1.62E-06
530 ALL	671174.9	4342280.21	1.22E-05
531 ALL	671068.4	4342169.93	1.63E-05
532 ALL	670965.7	4342179.44	1.21E-05
533 ALL	670815.5	4342198.45	5.76E-06
534 ALL	670737.6	4342097.68	3.86E-06
535 ALL	670762.3	4342069.16	3.88E-06
536 ALL	670817.4	4342040.64	4.36E-06
537 ALL	670895.4	4342025.43	5.55E-06
538 ALL	670979	4341915.15	7.13E-06
539 ALL	671115.9	4341863.81	1.45E-05
540 ALL	671199.6	4341770.65	2.53E-05
541 ALL	671222.4	4341377.07	2.10E-06
542 ALL	671714.8	4341392.28	4.89E-06
543 ALL	671366.9	4341998.81	3.34E-05
544 ALL	671226.2	4342236.48	1.42E-05
545 ALL	669098.4	4343411.59	1.06E-05
546 ALL	668908.6	4343364.56	1.60E-05
547 ALL	668851.5	4343359.52	1.50E-05
548 ALL	668831.4	4343371.27	1.26E-05
549 ALL	668733.9	4343302.41	1.67E-05

Unmitigated Cancer Risk

550 ALL	668686.9	4343199.95	1.16E-05
551 ALL	668671.8	4343089.09	4.78E-06
552 ALL	668806.2	4343001.74	4.85E-06
553 ALL	668918.7	4343025.26	5.64E-06
554 ALL	669024.5	4342942.95	4.24E-06
555 ALL	669288.2	4342916.08	3.32E-06
556 ALL	669333.6	4342922.8	3.83E-06
557 ALL	669365.5	4342978.23	4.42E-06
558 ALL	669337	4343151.23	7.51E-06
559 ALL	669303.4	4343304.09	7.30E-06
560 ALL	669222.7	4343235.22	2.15E-05
561 ALL	669135.4	4343305.77	2.24E-05

Mitigated Cancer Risk

REC	GRP	X	Y	Risk
1	ALL	668148.8	4340781	3.68E-07
2	ALL	668370.1	4340781	4.10E-07
3	ALL	668591.4	4340781	4.54E-07
4	ALL	668812.7	4340781	4.94E-07
5	ALL	669034	4340781	5.52E-07
6	ALL	669255.3	4340781	6.23E-07
7	ALL	669476.7	4340781	6.92E-07
8	ALL	669698	4340781	7.80E-07
9	ALL	669919.3	4340781	9.70E-07
10	ALL	670140.6	4340781	1.11E-06
11	ALL	670361.9	4340781	1.09E-06
12	ALL	670583.2	4340781	7.92E-07
13	ALL	670804.5	4340781	7.42E-07
14	ALL	671025.8	4340781	5.86E-07
15	ALL	671247.1	4340781	5.73E-07
16	ALL	671468.4	4340781	7.46E-07
17	ALL	671689.8	4340781	1.04E-06
18	ALL	671911.1	4340781	9.85E-07
19	ALL	672132.4	4340781	5.39E-07
20	ALL	672353.7	4340781	9.16E-07
21	ALL	672575	4340781	1.15E-06
22	ALL	668148.8	4340946	3.65E-07
23	ALL	668370.1	4340946	4.04E-07
24	ALL	668591.4	4340946	4.46E-07
25	ALL	668812.7	4340946	4.93E-07
26	ALL	669034	4340946	5.65E-07
27	ALL	669255.3	4340946	6.33E-07
28	ALL	669476.7	4340946	7.08E-07
29	ALL	669698	4340946	8.31E-07
30	ALL	669919.3	4340946	1.13E-06
31	ALL	670140.6	4340946	1.22E-06
32	ALL	670361.9	4340946	1.29E-06
33	ALL	670583.2	4340946	1.25E-06
34	ALL	670804.5	4340946	8.52E-07
35	ALL	671025.8	4340946	6.23E-07
36	ALL	671247.1	4340946	5.82E-07
37	ALL	671468.4	4340946	7.02E-07
38	ALL	671689.8	4340946	1.34E-06
39	ALL	671911.1	4340946	1.55E-06
40	ALL	672132.4	4340946	5.10E-07
41	ALL	672353.7	4340946	6.50E-07
42	ALL	672575	4340946	1.14E-06
43	ALL	668148.8	4341111	3.68E-07
44	ALL	668370.1	4341111	3.96E-07
45	ALL	668591.4	4341111	4.46E-07
46	ALL	668812.7	4341111	4.97E-07
47	ALL	669034	4341111	5.60E-07
48	ALL	669255.3	4341111	6.22E-07
49	ALL	669476.7	4341111	7.25E-07

Mitigated Cancer Risk

50 ALL	669698	4341111	8.55E-07
51 ALL	669919.3	4341111	9.90E-07
52 ALL	670140.6	4341111	1.32E-06
53 ALL	670361.9	4341111	1.29E-06
54 ALL	670583.2	4341111	1.04E-06
55 ALL	670804.5	4341111	8.18E-07
56 ALL	671025.8	4341111	6.58E-07
57 ALL	671247.1	4341111	7.13E-07
58 ALL	671468.4	4341111	8.58E-07
59 ALL	671689.8	4341111	2.16E-06
60 ALL	671911.1	4341111	1.72E-06
61 ALL	672132.4	4341111	5.19E-07
62 ALL	672353.7	4341111	4.72E-07
63 ALL	672575	4341111	1.18E-06
64 ALL	668148.8	4341276	3.75E-07
65 ALL	668370.1	4341276	4.04E-07
66 ALL	668591.4	4341276	4.47E-07
67 ALL	668812.7	4341276	5.05E-07
68 ALL	669034	4341276	5.74E-07
69 ALL	669255.3	4341276	6.45E-07
70 ALL	669476.7	4341276	7.30E-07
71 ALL	669698	4341276	8.50E-07
72 ALL	669919.3	4341276	1.18E-06
73 ALL	670140.6	4341276	1.13E-06
74 ALL	670361.9	4341276	1.09E-06
75 ALL	670583.2	4341276	8.85E-07
76 ALL	670804.5	4341276	9.14E-07
77 ALL	671025.8	4341276	8.66E-07
78 ALL	671247.1	4341276	1.06E-06
79 ALL	671468.4	4341276	2.36E-06
80 ALL	671689.8	4341276	3.43E-06
81 ALL	671911.1	4341276	2.14E-06
82 ALL	672132.4	4341276	6.16E-07
83 ALL	672353.7	4341276	4.56E-07
84 ALL	672575	4341276	1.18E-06
85 ALL	668148.8	4341441	3.86E-07
86 ALL	668370.1	4341441	4.12E-07
87 ALL	668591.4	4341441	4.49E-07
88 ALL	668812.7	4341441	5.07E-07
89 ALL	669034	4341441	5.73E-07
90 ALL	669255.3	4341441	6.38E-07
91 ALL	669476.7	4341441	7.30E-07
92 ALL	669698	4341441	8.60E-07
93 ALL	669919.3	4341441	1.14E-06
94 ALL	670140.6	4341441	9.89E-07
95 ALL	670361.9	4341441	9.80E-07
96 ALL	670583.2	4341441	9.26E-07
97 ALL	670804.5	4341441	1.19E-06
98 ALL	671025.8	4341441	1.26E-06
99 ALL	671689.8	4341441	4.98E-06

Mitigated Cancer Risk

100 ALL	671911.1	4341441	2.31E-06
101 ALL	672132.4	4341441	7.59E-07
102 ALL	672353.7	4341441	6.88E-07
103 ALL	672575	4341441	1.09E-06
104 ALL	668148.8	4341606	3.99E-07
105 ALL	668370.1	4341606	4.20E-07
106 ALL	668591.4	4341606	4.57E-07
107 ALL	668812.7	4341606	5.09E-07
108 ALL	669034	4341606	5.68E-07
109 ALL	669255.3	4341606	6.42E-07
110 ALL	669476.7	4341606	7.34E-07
111 ALL	669698	4341606	8.44E-07
112 ALL	669919.3	4341606	1.05E-06
113 ALL	670140.6	4341606	1.03E-06
114 ALL	670361.9	4341606	8.89E-07
115 ALL	670583.2	4341606	1.03E-06
116 ALL	670804.5	4341606	1.63E-06
117 ALL	671025.8	4341606	1.80E-06
118 ALL	671689.8	4341606	7.37E-06
119 ALL	671911.1	4341606	3.04E-06
120 ALL	672132.4	4341606	1.24E-06
121 ALL	672353.7	4341606	9.11E-07
122 ALL	672575	4341606	1.15E-06
123 ALL	668148.8	4341771	4.31E-07
124 ALL	668370.1	4341771	4.33E-07
125 ALL	668591.4	4341771	4.62E-07
126 ALL	668812.7	4341771	5.11E-07
127 ALL	669034	4341771	5.77E-07
128 ALL	669255.3	4341771	6.58E-07
129 ALL	669476.7	4341771	7.38E-07
130 ALL	669698	4341771	9.94E-07
131 ALL	669919.3	4341771	9.53E-07
132 ALL	670140.6	4341771	8.67E-07
133 ALL	670361.9	4341771	7.49E-07
134 ALL	670583.2	4341771	1.23E-06
135 ALL	670804.5	4341771	2.95E-06
136 ALL	671025.8	4341771	5.13E-06
137 ALL	671689.8	4341771	5.49E-06
138 ALL	671911.1	4341771	2.99E-06
139 ALL	672132.4	4341771	1.00E-06
140 ALL	672353.7	4341771	6.35E-07
141 ALL	672575	4341771	1.13E-06
142 ALL	668148.8	4341936	4.72E-07
143 ALL	668370.1	4341936	4.66E-07
144 ALL	668591.4	4341936	4.74E-07
145 ALL	668812.7	4341936	5.20E-07
146 ALL	669034	4341936	5.90E-07
147 ALL	669255.3	4341936	6.62E-07
148 ALL	669476.7	4341936	9.04E-07
149 ALL	669698	4341936	8.09E-07

Mitigated Cancer Risk

150 ALL	669919.3	4341936	6.16E-07
151 ALL	670140.6	4341936	6.59E-07
152 ALL	670361.9	4341936	8.13E-07
153 ALL	670583.2	4341936	1.86E-06
154 ALL	670804.5	4341936	3.23E-06
155 ALL	671468.4	4341936	1.06E-05
156 ALL	671689.8	4341936	3.40E-06
157 ALL	671911.1	4341936	2.16E-06
158 ALL	672132.4	4341936	8.90E-07
159 ALL	672353.7	4341936	5.60E-07
160 ALL	672575	4341936	1.19E-06
161 ALL	668148.8	4342101	5.30E-07
162 ALL	668370.1	4342101	4.96E-07
163 ALL	668591.4	4342101	4.96E-07
164 ALL	668812.7	4342101	5.36E-07
165 ALL	669034	4342101	6.04E-07
166 ALL	669255.3	4342101	6.78E-07
167 ALL	669476.7	4342101	9.06E-07
168 ALL	669698	4342101	9.86E-07
169 ALL	669919.3	4342101	1.03E-06
170 ALL	670140.6	4342101	8.88E-07
171 ALL	670361.9	4342101	1.69E-06
172 ALL	670583.2	4342101	2.08E-06
173 ALL	671468.4	4342101	4.77E-06
174 ALL	671689.8	4342101	2.29E-06
175 ALL	671911.1	4342101	1.69E-06
176 ALL	672132.4	4342101	9.47E-07
177 ALL	672353.7	4342101	5.88E-07
178 ALL	672575	4342101	1.15E-06
179 ALL	668148.8	4342266	6.03E-07
180 ALL	668370.1	4342266	5.57E-07
181 ALL	668591.4	4342266	5.67E-07
182 ALL	668812.7	4342266	5.64E-07
183 ALL	669034	4342266	6.16E-07
184 ALL	669255.3	4342266	6.96E-07
185 ALL	669476.7	4342266	7.81E-07
186 ALL	669698	4342266	8.90E-07
187 ALL	669919.3	4342266	1.03E-06
188 ALL	670140.6	4342266	1.24E-06
189 ALL	670361.9	4342266	1.59E-06
190 ALL	670583.2	4342266	2.44E-06
191 ALL	670804.5	4342266	3.50E-06
192 ALL	671025.8	4342266	6.23E-06
193 ALL	671247.1	4342266	8.03E-06
194 ALL	671468.4	4342266	3.35E-06
195 ALL	671689.8	4342266	1.96E-06
196 ALL	671911.1	4342266	1.31E-06
197 ALL	672132.4	4342266	1.22E-06
198 ALL	672353.7	4342266	9.32E-07
199 ALL	672575	4342266	9.94E-07

Mitigated Cancer Risk

200 ALL	668148.8	4342431	6.42E-07
201 ALL	668370.1	4342431	7.33E-07
202 ALL	668591.4	4342431	7.34E-07
203 ALL	668812.7	4342431	7.25E-07
204 ALL	669034	4342431	7.12E-07
205 ALL	669255.3	4342431	7.27E-07
206 ALL	669476.7	4342431	8.02E-07
207 ALL	669698	4342431	9.06E-07
208 ALL	669919.3	4342431	1.05E-06
209 ALL	670140.6	4342431	1.30E-06
210 ALL	670361.9	4342431	1.98E-06
211 ALL	670583.2	4342431	2.21E-06
212 ALL	670804.5	4342431	3.25E-06
213 ALL	671025.8	4342431	5.65E-06
214 ALL	671247.1	4342431	3.11E-06
215 ALL	671468.4	4342431	2.28E-06
216 ALL	671689.8	4342431	1.48E-06
217 ALL	671911.1	4342431	1.07E-06
218 ALL	672132.4	4342431	1.12E-06
219 ALL	672353.7	4342431	1.10E-06
220 ALL	672575	4342431	9.32E-07
221 ALL	668148.8	4342596	7.28E-07
222 ALL	668370.1	4342596	8.58E-07
223 ALL	668591.4	4342596	9.46E-07
224 ALL	668812.7	4342596	9.71E-07
225 ALL	669034	4342596	9.06E-07
226 ALL	669255.3	4342596	8.50E-07
227 ALL	669476.7	4342596	9.68E-07
228 ALL	669698	4342596	1.29E-06
229 ALL	669919.3	4342596	1.36E-06
230 ALL	670140.6	4342596	1.58E-06
231 ALL	670361.9	4342596	1.68E-06
232 ALL	670583.2	4342596	1.92E-06
233 ALL	670804.5	4342596	3.21E-06
234 ALL	671025.8	4342596	4.30E-06
235 ALL	671247.1	4342596	3.13E-06
236 ALL	671468.4	4342596	1.59E-06
237 ALL	671689.8	4342596	1.03E-06
238 ALL	671911.1	4342596	7.38E-07
239 ALL	672132.4	4342596	7.53E-07
240 ALL	672353.7	4342596	1.10E-06
241 ALL	672575	4342596	8.54E-07
242 ALL	668148.8	4342761	8.22E-07
243 ALL	668370.1	4342761	1.10E-06
244 ALL	668591.4	4342761	1.32E-06
245 ALL	668812.7	4342761	1.48E-06
246 ALL	669034	4342761	1.21E-06
247 ALL	669255.3	4342761	1.07E-06
248 ALL	669476.7	4342761	1.34E-06
249 ALL	669698	4342761	1.08E-06

Mitigated Cancer Risk

250 ALL	669919.3	4342761	1.17E-06
251 ALL	670140.6	4342761	1.56E-06
252 ALL	670361.9	4342761	2.00E-06
253 ALL	670583.2	4342761	1.76E-06
254 ALL	670804.5	4342761	2.60E-06
255 ALL	671025.8	4342761	2.63E-06
256 ALL	671247.1	4342761	1.63E-06
257 ALL	671468.4	4342761	1.25E-06
258 ALL	671689.8	4342761	9.07E-07
259 ALL	671911.1	4342761	5.99E-07
260 ALL	672132.4	4342761	5.63E-07
261 ALL	672353.7	4342761	1.05E-06
262 ALL	672575	4342761	8.66E-07
263 ALL	668148.8	4342926	8.36E-07
264 ALL	668370.1	4342926	1.25E-06
265 ALL	668591.4	4342926	1.74E-06
266 ALL	668812.7	4342926	2.45E-06
267 ALL	669034	4342926	3.24E-06
268 ALL	669476.7	4342926	1.54E-06
269 ALL	669698	4342926	1.13E-06
270 ALL	669919.3	4342926	1.29E-06
271 ALL	670140.6	4342926	1.65E-06
272 ALL	670361.9	4342926	1.89E-06
273 ALL	670583.2	4342926	2.36E-06
274 ALL	670804.5	4342926	2.67E-06
275 ALL	671025.8	4342926	1.24E-06
276 ALL	671247.1	4342926	1.27E-06
277 ALL	671468.4	4342926	9.48E-07
278 ALL	671689.8	4342926	7.46E-07
279 ALL	671911.1	4342926	5.36E-07
280 ALL	672132.4	4342926	4.03E-07
281 ALL	672353.7	4342926	5.56E-07
282 ALL	672575	4342926	8.43E-07
283 ALL	668148.8	4343090	7.75E-07
284 ALL	668370.1	4343090	1.23E-06
285 ALL	668591.4	4343090	2.24E-06
286 ALL	669476.7	4343090	1.79E-06
287 ALL	669698	4343090	1.17E-06
288 ALL	669919.3	4343090	1.13E-06
289 ALL	670140.6	4343090	1.36E-06
290 ALL	670361.9	4343090	1.48E-06
291 ALL	670583.2	4343090	1.56E-06
292 ALL	670804.5	4343090	2.05E-06
293 ALL	671025.8	4343090	1.00E-06
294 ALL	671247.1	4343090	9.91E-07
295 ALL	671468.4	4343090	7.89E-07
296 ALL	671689.8	4343090	6.19E-07
297 ALL	671911.1	4343090	4.69E-07
298 ALL	672132.4	4343090	3.68E-07
299 ALL	672353.7	4343090	2.89E-07

Mitigated Cancer Risk

300 ALL	672575	4343090	3.33E-07
301 ALL	668148.8	4343255	7.12E-07
302 ALL	668370.1	4343255	1.16E-06
303 ALL	668591.4	4343255	3.19E-06
304 ALL	669476.7	4343255	1.55E-06
305 ALL	669698	4343255	1.40E-06
306 ALL	669919.3	4343255	1.33E-06
307 ALL	670140.6	4343255	1.40E-06
308 ALL	670361.9	4343255	1.30E-06
309 ALL	670583.2	4343255	1.25E-06
310 ALL	670804.5	4343255	1.36E-06
311 ALL	671025.8	4343255	8.63E-07
312 ALL	671247.1	4343255	7.88E-07
313 ALL	671468.4	4343255	6.97E-07
314 ALL	671689.8	4343255	5.27E-07
315 ALL	671911.1	4343255	4.12E-07
316 ALL	672132.4	4343255	3.35E-07
317 ALL	672353.7	4343255	2.79E-07
318 ALL	672575	4343255	2.24E-07
319 ALL	668148.8	4343420	6.57E-07
320 ALL	668370.1	4343420	1.16E-06
321 ALL	668591.4	4343420	3.17E-06
322 ALL	668812.7	4343420	8.39E-06
323 ALL	669034	4343420	1.09E-05
324 ALL	669255.3	4343420	4.65E-06
325 ALL	669476.7	4343420	1.59E-06
326 ALL	669698	4343420	1.02E-06
327 ALL	669919.3	4343420	1.01E-06
328 ALL	670140.6	4343420	9.89E-07
329 ALL	670361.9	4343420	1.02E-06
330 ALL	670583.2	4343420	1.06E-06
331 ALL	670804.5	4343420	1.17E-06
332 ALL	671025.8	4343420	1.47E-06
333 ALL	671247.1	4343420	8.96E-07
334 ALL	671468.4	4343420	5.84E-07
335 ALL	671689.8	4343420	4.71E-07
336 ALL	671911.1	4343420	3.68E-07
337 ALL	672132.4	4343420	2.97E-07
338 ALL	672353.7	4343420	2.43E-07
339 ALL	672575	4343420	2.05E-07
340 ALL	668148.8	4343585	5.84E-07
341 ALL	668370.1	4343585	9.43E-07
342 ALL	668591.4	4343585	2.27E-06
343 ALL	668812.7	4343585	4.03E-06
344 ALL	669034	4343585	4.19E-06
345 ALL	669255.3	4343585	2.44E-06
346 ALL	669476.7	4343585	1.18E-06
347 ALL	669698	4343585	8.79E-07
348 ALL	669919.3	4343585	8.33E-07
349 ALL	670140.6	4343585	8.50E-07

Mitigated Cancer Risk

350 ALL	670361.9	4343585	8.89E-07
351 ALL	670583.2	4343585	9.32E-07
352 ALL	670804.5	4343585	1.00E-06
353 ALL	671025.8	4343585	1.05E-06
354 ALL	671247.1	4343585	8.70E-07
355 ALL	671468.4	4343585	5.93E-07
356 ALL	671689.8	4343585	4.72E-07
357 ALL	671911.1	4343585	3.59E-07
358 ALL	672132.4	4343585	2.91E-07
359 ALL	672353.7	4343585	2.31E-07
360 ALL	672575	4343585	2.00E-07
361 ALL	668148.8	4343750	6.31E-07
362 ALL	668370.1	4343750	8.89E-07
363 ALL	668591.4	4343750	1.63E-06
364 ALL	668812.7	4343750	2.55E-06
365 ALL	669034	4343750	2.41E-06
366 ALL	669255.3	4343750	1.65E-06
367 ALL	669476.7	4343750	1.02E-06
368 ALL	669698	4343750	7.97E-07
369 ALL	669919.3	4343750	7.53E-07
370 ALL	670140.6	4343750	7.65E-07
371 ALL	670361.9	4343750	8.06E-07
372 ALL	670583.2	4343750	8.30E-07
373 ALL	670804.5	4343750	8.70E-07
374 ALL	671025.8	4343750	8.99E-07
375 ALL	671247.1	4343750	9.93E-07
376 ALL	671468.4	4343750	9.81E-07
377 ALL	671689.8	4343750	9.79E-07
378 ALL	671911.1	4343750	6.19E-07
379 ALL	672132.4	4343750	3.20E-07
380 ALL	672353.7	4343750	2.39E-07
381 ALL	672575	4343750	2.05E-07
382 ALL	668148.8	4343915	6.78E-07
383 ALL	668370.1	4343915	8.89E-07
384 ALL	668591.4	4343915	1.31E-06
385 ALL	668812.7	4343915	1.78E-06
386 ALL	669034	4343915	1.74E-06
387 ALL	669255.3	4343915	1.28E-06
388 ALL	669476.7	4343915	8.97E-07
389 ALL	669698	4343915	7.35E-07
390 ALL	669919.3	4343915	6.92E-07
391 ALL	670140.6	4343915	7.05E-07
392 ALL	670361.9	4343915	7.20E-07
393 ALL	670583.2	4343915	7.60E-07
394 ALL	670804.5	4343915	7.83E-07
395 ALL	671025.8	4343915	7.98E-07
396 ALL	671247.1	4343915	7.99E-07
397 ALL	671468.4	4343915	9.07E-07
398 ALL	671689.8	4343915	8.78E-07
399 ALL	671911.1	4343915	5.27E-07

Mitigated Cancer Risk

400 ALL	672132.4	4343915	4.37E-07
401 ALL	672353.7	4343915	3.19E-07
402 ALL	672575	4343915	2.48E-07
403 ALL	668148.8	4344080	6.49E-07
404 ALL	668370.1	4344080	8.44E-07
405 ALL	668591.4	4344080	1.12E-06
406 ALL	668812.7	4344080	1.38E-06
407 ALL	669034	4344080	1.35E-06
408 ALL	669255.3	4344080	1.06E-06
409 ALL	669476.7	4344080	8.11E-07
410 ALL	669698	4344080	6.82E-07
411 ALL	669919.3	4344080	6.44E-07
412 ALL	670140.6	4344080	6.61E-07
413 ALL	670361.9	4344080	6.57E-07
414 ALL	670583.2	4344080	6.92E-07
415 ALL	670804.5	4344080	7.14E-07
416 ALL	671025.8	4344080	9.76E-07
417 ALL	671247.1	4344080	7.23E-07
418 ALL	671468.4	4344080	6.41E-07
419 ALL	671689.8	4344080	6.16E-07
420 ALL	671911.1	4344080	3.16E-07
421 ALL	672132.4	4344080	2.58E-07
422 ALL	672353.7	4344080	2.35E-07
423 ALL	672575	4344080	2.00E-07
424 ALL	671464.7	4342094	5.00E-06
425 ALL	671482.2	4342064	5.26E-06
426 ALL	671498.6	4342030	5.52E-06
427 ALL	671513.8	4341992	5.96E-06
428 ALL	671541.8	4341965	5.67E-06
429 ALL	671575.6	4341974	4.46E-06
430 ALL	671460.8	4342163	4.06E-06
431 ALL	671451	4342187	3.94E-06
432 ALL	671510.7	4342220	3.14E-06
433 ALL	671524.1	4342193	3.13E-06
434 ALL	671522.9	4342251	2.92E-06
435 ALL	671599.1	4342253	2.39E-06
436 ALL	671627.8	4342257	2.24E-06
437 ALL	671583.9	4342116	2.79E-06
438 ALL	671595.5	4342072	2.91E-06
439 ALL	671663.1	4342056	2.56E-06
440 ALL	671600.9	4342030	3.27E-06
441 ALL	671526.6	4342156	3.24E-06
442 ALL	671629	4342292	2.17E-06
443 ALL	671641.8	4341981	3.31E-06
444 ALL	671666.8	4342019	2.78E-06
445 ALL	671407.1	4342220	4.26E-06
446 ALL	671415.6	4342183	4.58E-06
447 ALL	671635.1	4341706	9.04E-06
448 ALL	671693.6	4341710	6.79E-06
449 ALL	671719.8	4341736	5.94E-06

Mitigated Cancer Risk

450 ALL	671673.5	4341630	8.14E-06
451 ALL	671888	4341936	2.37E-06
452 ALL	671977.6	4341952	1.61E-06
453 ALL	672039.2	4341895	1.26E-06
454 ALL	671858.2	4341754	3.81E-06
455 ALL	671922.8	4341634	2.95E-06
456 ALL	671613.7	4341791	7.36E-06
457 ALL	671853.3	4341731	3.90E-06
458 ALL	671783.8	4341586	4.77E-06
459 ALL	671783.2	4341547	4.53E-06
460 ALL	671769.2	4341461	4.00E-06
461 ALL	671800.9	4341421	3.59E-06
462 ALL	671880.1	4341427	2.69E-06
463 ALL	672012.4	4341505	1.13E-06
464 ALL	672084.3	4341548	1.18E-06
465 ALL	671915.5	4341478	2.37E-06
466 ALL	671903.3	4341564	2.99E-06
467 ALL	671863.1	4341522	3.40E-06
468 ALL	671830.1	4341336	3.21E-06
469 ALL	671835.6	4341288	3.07E-06
470 ALL	671825.9	4341275	3.15E-06
471 ALL	672136.7	4341371	6.47E-07
472 ALL	671920.3	4341307	1.79E-06
473 ALL	671695.4	4341257	3.17E-06
474 ALL	671682	4341176	2.11E-06
475 ALL	671991.7	4341196	1.64E-06
476 ALL	672022.1	4341232	1.27E-06
477 ALL	671992.3	4341178	1.30E-06
478 ALL	671540.6	4341238	1.34E-06
479 ALL	671575.3	4341178	1.09E-06
480 ALL	671454.7	4341196	1.13E-06
481 ALL	671523.5	4341116	9.07E-07
482 ALL	671413.2	4341127	9.28E-07
483 ALL	671471.1	4341065	8.09E-07
484 ALL	671601.6	4341051	1.23E-06
485 ALL	671198.6	4341254	8.64E-07
486 ALL	671278.5	4341212	9.20E-07
487 ALL	671230.3	4341133	6.99E-07
488 ALL	671073.1	4341272	8.42E-07
489 ALL	671122.5	4341374	1.25E-06
490 ALL	671118.8	4341397	1.36E-06
491 ALL	670978.4	4341324	9.72E-07
492 ALL	670932.9	4341394	1.11E-06
493 ALL	670935.2	4341367	1.07E-06
494 ALL	671108	4340976	5.84E-07
495 ALL	671286.7	4340979	6.14E-07
496 ALL	671675.4	4342489	1.32E-06
497 ALL	671091.4	4342277	7.55E-06
498 ALL	671051.8	4342332	5.61E-06
499 ALL	671051.8	4342369	5.83E-06

Mitigated Cancer Risk

500 ALL	670953	4342361	4.84E-06
501 ALL	670695.7	4342236	2.87E-06
502 ALL	670545.5	4342319	2.32E-06
503 ALL	670711.7	4342488	2.92E-06
504 ALL	670648.3	4342502	2.42E-06
505 ALL	670648.3	4342631	1.50E-06
506 ALL	670806.3	4342728	2.55E-06
507 ALL	670688.2	4342739	1.42E-06
508 ALL	670804.9	4342428	3.26E-06
509 ALL	670439.5	4342472	1.99E-06
510 ALL	670358.4	4342579	1.70E-06
511 ALL	670546.6	4342662	2.16E-06
512 ALL	670537	4342595	2.11E-06
513 ALL	670483.5	4342777	2.01E-06
514 ALL	670508.2	4342755	2.02E-06
515 ALL	670517.8	4342869	2.09E-06
516 ALL	670545.3	4342851	1.92E-06
517 ALL	670582.4	4342878	2.11E-06
518 ALL	670304.9	4342689	1.52E-06
519 ALL	670039.7	4342661	1.42E-06
520 ALL	670156.5	4342673	1.40E-06
521 ALL	670236.2	4342649	1.49E-06
522 ALL	670071.3	4342738	1.29E-06
523 ALL	669990.2	4342753	1.23E-06
524 ALL	669928.4	4342742	1.19E-06
525 ALL	669815.8	4342673	1.17E-06
526 ALL	669743	4342656	1.14E-06
527 ALL	669791	4342745	1.10E-06
528 ALL	669696.3	4342731	1.08E-06
529 ALL	669536.9	4342553	9.55E-07
530 ALL	671174.9	4342280	8.70E-06
531 ALL	671068.4	4342170	1.11E-05
532 ALL	670965.7	4342179	6.92E-06
533 ALL	670815.5	4342198	3.55E-06
534 ALL	670737.6	4342098	2.69E-06
535 ALL	670762.3	4342069	2.79E-06
536 ALL	670817.4	4342041	3.16E-06
537 ALL	670895.4	4342025	3.92E-06
538 ALL	670979	4341915	5.04E-06
539 ALL	671115.9	4341864	9.41E-06
540 ALL	671199.6	4341771	1.67E-05
541 ALL	671222.4	4341377	1.71E-06
542 ALL	671714.8	4341392	4.31E-06
543 ALL	671366.9	4341999	1.97E-05
544 ALL	671226.2	4342236	9.61E-06
545 ALL	669098.4	4343412	1.05E-05
546 ALL	668908.6	4343365	1.60E-05
547 ALL	668851.5	4343360	1.49E-05
548 ALL	668831.4	4343371	1.25E-05
549 ALL	668733.9	4343302	1.66E-05

Mitigated Cancer Risk

550 ALL	668686.9	4343200	1.15E-05
551 ALL	668671.8	4343089	4.73E-06
552 ALL	668806.2	4343002	4.79E-06
553 ALL	668918.7	4343025	5.58E-06
554 ALL	669024.5	4342943	4.16E-06
555 ALL	669288.2	4342916	2.84E-06
556 ALL	669333.6	4342923	2.67E-06
557 ALL	669365.5	4342978	3.58E-06
558 ALL	669337	4343151	7.29E-06
559 ALL	669303.4	4343304	7.16E-06
560 ALL	669222.7	4343235	2.14E-05
561 ALL	669135.4	4343306	2.23E-05

Unmitigated Chronic Risk

REC	GRP	X	Y	MAXHI
1	ALL	668148.8	4340781	4.04E-02
2	ALL	668370.1	4340781	4.50E-02
3	ALL	668591.4	4340781	4.96E-02
4	ALL	668812.7	4340781	5.34E-02
5	ALL	669034	4340781	5.94E-02
6	ALL	669255.3	4340781	6.64E-02
7	ALL	669476.7	4340781	7.35E-02
8	ALL	669698	4340781	8.25E-02
9	ALL	669919.3	4340781	1.02E-01
10	ALL	670140.6	4340781	1.17E-01
11	ALL	670361.9	4340781	1.14E-01
12	ALL	670583.2	4340781	7.99E-02
13	ALL	670804.5	4340781	7.86E-02
14	ALL	671025.8	4340781	6.39E-02
15	ALL	671247.1	4340781	6.41E-02
16	ALL	671468.4	4340781	8.70E-02
17	ALL	671689.8	4340781	1.27E-01
18	ALL	671911.1	4340781	1.21E-01
19	ALL	672132.4	4340781	6.30E-02
20	ALL	672353.7	4340781	1.15E-01
21	ALL	672575	4340781	1.47E-01
22	ALL	668148.8	4340946	3.97E-02
23	ALL	668370.1	4340946	4.44E-02
24	ALL	668591.4	4340946	4.89E-02
25	ALL	668812.7	4340946	5.35E-02
26	ALL	669034	4340946	6.12E-02
27	ALL	669255.3	4340946	6.79E-02
28	ALL	669476.7	4340946	7.53E-02
29	ALL	669698	4340946	8.72E-02
30	ALL	669919.3	4340946	1.20E-01
31	ALL	670140.6	4340946	1.26E-01
32	ALL	670361.9	4340946	1.33E-01
33	ALL	670583.2	4340946	1.27E-01
34	ALL	670804.5	4340946	8.34E-02
35	ALL	671025.8	4340946	6.32E-02
36	ALL	671247.1	4340946	6.26E-02
37	ALL	671468.4	4340946	7.84E-02
38	ALL	671689.8	4340946	1.62E-01
39	ALL	671911.1	4340946	1.91E-01
40	ALL	672132.4	4340946	5.79E-02
41	ALL	672353.7	4340946	7.75E-02
42	ALL	672575	4340946	1.44E-01
43	ALL	668148.8	4341111	4.01E-02
44	ALL	668370.1	4341111	4.32E-02
45	ALL	668591.4	4341111	4.92E-02
46	ALL	668812.7	4341111	5.45E-02
47	ALL	669034	4341111	6.11E-02
48	ALL	669255.3	4341111	6.71E-02
49	ALL	669476.7	4341111	7.77E-02

Unmitigated Chronic Risk

50 ALL	669698	4341111	9.00E-02
51 ALL	669919.3	4341111	1.04E-01
52 ALL	670140.6	4341111	1.37E-01
53 ALL	670361.9	4341111	1.27E-01
54 ALL	670583.2	4341111	9.31E-02
55 ALL	670804.5	4341111	7.00E-02
56 ALL	671025.8	4341111	6.03E-02
57 ALL	671247.1	4341111	7.23E-02
58 ALL	671468.4	4341111	9.22E-02
59 ALL	671689.8	4341111	2.62E-01
60 ALL	671911.1	4341111	2.07E-01
61 ALL	672132.4	4341111	5.61E-02
62 ALL	672353.7	4341111	5.14E-02
63 ALL	672575	4341111	1.47E-01
64 ALL	668148.8	4341276	4.10E-02
65 ALL	668370.1	4341276	4.46E-02
66 ALL	668591.4	4341276	4.99E-02
67 ALL	668812.7	4341276	5.62E-02
68 ALL	669034	4341276	6.32E-02
69 ALL	669255.3	4341276	7.05E-02
70 ALL	669476.7	4341276	7.91E-02
71 ALL	669698	4341276	9.10E-02
72 ALL	669919.3	4341276	1.27E-01
73 ALL	670140.6	4341276	1.13E-01
74 ALL	670361.9	4341276	9.85E-02
75 ALL	670583.2	4341276	6.93E-02
76 ALL	670804.5	4341276	7.03E-02
77 ALL	671025.8	4341276	6.94E-02
78 ALL	671247.1	4341276	9.81E-02
79 ALL	671468.4	4341276	2.61E-01
80 ALL	671689.8	4341276	4.07E-01
81 ALL	671911.1	4341276	2.52E-01
82 ALL	672132.4	4341276	6.17E-02
83 ALL	672353.7	4341276	4.48E-02
84 ALL	672575	4341276	1.42E-01
85 ALL	668148.8	4341441	4.15E-02
86 ALL	668370.1	4341441	4.55E-02
87 ALL	668591.4	4341441	5.03E-02
88 ALL	668812.7	4341441	5.68E-02
89 ALL	669034	4341441	6.37E-02
90 ALL	669255.3	4341441	7.04E-02
91 ALL	669476.7	4341441	8.01E-02
92 ALL	669698	4341441	9.34E-02
93 ALL	669919.3	4341441	1.26E-01
94 ALL	670140.6	4341441	9.83E-02
95 ALL	670361.9	4341441	8.55E-02
96 ALL	670583.2	4341441	7.08E-02
97 ALL	670804.5	4341441	8.73E-02
98 ALL	671025.8	4341441	9.03E-02
99 ALL	671689.8	4341441	5.09E-01

Unmitigated Chronic Risk

100 ALL	671911.1	4341441	2.47E-01
101 ALL	672132.4	4341441	6.76E-02
102 ALL	672353.7	4341441	6.64E-02
103 ALL	672575	4341441	1.19E-01
104 ALL	668148.8	4341606	4.32E-02
105 ALL	668370.1	4341606	4.68E-02
106 ALL	668591.4	4341606	5.14E-02
107 ALL	668812.7	4341606	5.71E-02
108 ALL	669034	4341606	6.34E-02
109 ALL	669255.3	4341606	7.12E-02
110 ALL	669476.7	4341606	8.11E-02
111 ALL	669698	4341606	9.32E-02
112 ALL	669919.3	4341606	1.18E-01
113 ALL	670140.6	4341606	1.08E-01
114 ALL	670361.9	4341606	7.97E-02
115 ALL	670583.2	4341606	8.13E-02
116 ALL	670804.5	4341606	1.27E-01
117 ALL	671025.8	4341606	1.20E-01
118 ALL	671689.8	4341606	6.17E-01
119 ALL	671911.1	4341606	2.97E-01
120 ALL	672132.4	4341606	1.11E-01
121 ALL	672353.7	4341606	8.72E-02
122 ALL	672575	4341606	1.22E-01
123 ALL	668148.8	4341771	4.38E-02
124 ALL	668370.1	4341771	4.78E-02
125 ALL	668591.4	4341771	5.12E-02
126 ALL	668812.7	4341771	5.70E-02
127 ALL	669034	4341771	6.43E-02
128 ALL	669255.3	4341771	7.30E-02
129 ALL	669476.7	4341771	8.25E-02
130 ALL	669698	4341771	1.17E-01
131 ALL	669919.3	4341771	1.09E-01
132 ALL	670140.6	4341771	9.26E-02
133 ALL	670361.9	4341771	7.01E-02
134 ALL	670583.2	4341771	1.09E-01
135 ALL	670804.5	4341771	2.89E-01
136 ALL	671025.8	4341771	4.67E-01
137 ALL	671689.8	4341771	3.94E-01
138 ALL	671911.1	4341771	2.73E-01
139 ALL	672132.4	4341771	7.77E-02
140 ALL	672353.7	4341771	5.12E-02
141 ALL	672575	4341771	1.18E-01
142 ALL	668148.8	4341936	4.42E-02
143 ALL	668370.1	4341936	4.73E-02
144 ALL	668591.4	4341936	5.16E-02
145 ALL	668812.7	4341936	5.77E-02
146 ALL	669034	4341936	6.54E-02
147 ALL	669255.3	4341936	7.37E-02
148 ALL	669476.7	4341936	1.07E-01
149 ALL	669698	4341936	9.39E-02

Unmitigated Chronic Risk

150 ALL	669919.3	4341936	6.68E-02
151 ALL	670140.6	4341936	6.92E-02
152 ALL	670361.9	4341936	8.23E-02
153 ALL	670583.2	4341936	2.01E-01
154 ALL	670804.5	4341936	3.03E-01
155 ALL	671468.4	4341936	5.27E-01
156 ALL	671689.8	4341936	2.11E-01
157 ALL	671911.1	4341936	1.80E-01
158 ALL	672132.4	4341936	6.63E-02
159 ALL	672353.7	4341936	4.33E-02
160 ALL	672575	4341936	1.31E-01
161 ALL	668148.8	4342101	4.67E-02
162 ALL	668370.1	4342101	4.92E-02
163 ALL	668591.4	4342101	5.32E-02
164 ALL	668812.7	4342101	5.86E-02
165 ALL	669034	4342101	6.59E-02
166 ALL	669255.3	4342101	7.42E-02
167 ALL	669476.7	4342101	1.06E-01
168 ALL	669698	4342101	1.16E-01
169 ALL	669919.3	4342101	1.20E-01
170 ALL	670140.6	4342101	9.73E-02
171 ALL	670361.9	4342101	1.90E-01
172 ALL	670583.2	4342101	2.05E-01
173 ALL	671468.4	4342101	2.42E-01
174 ALL	671689.8	4342101	1.39E-01
175 ALL	671911.1	4342101	1.38E-01
176 ALL	672132.4	4342101	7.71E-02
177 ALL	672353.7	4342101	4.80E-02
178 ALL	672575	4342101	1.28E-01
179 ALL	668148.8	4342266	4.97E-02
180 ALL	668370.1	4342266	5.17E-02
181 ALL	668591.4	4342266	5.38E-02
182 ALL	668812.7	4342266	5.74E-02
183 ALL	669034	4342266	6.39E-02
184 ALL	669255.3	4342266	7.34E-02
185 ALL	669476.7	4342266	8.36E-02
186 ALL	669698	4342266	9.73E-02
187 ALL	669919.3	4342266	1.13E-01
188 ALL	670140.6	4342266	1.36E-01
189 ALL	670361.9	4342266	1.65E-01
190 ALL	670583.2	4342266	2.10E-01
191 ALL	670804.5	4342266	3.18E-01
192 ALL	671025.8	4342266	5.49E-01
193 ALL	671247.1	4342266	6.30E-01
194 ALL	671468.4	4342266	1.95E-01
195 ALL	671689.8	4342266	1.34E-01
196 ALL	671911.1	4342266	1.06E-01
197 ALL	672132.4	4342266	1.18E-01
198 ALL	672353.7	4342266	9.44E-02
199 ALL	672575	4342266	1.05E-01

Unmitigated Chronic Risk

200 ALL	668148.8	4342431	4.92E-02
201 ALL	668370.1	4342431	5.65E-02
202 ALL	668591.4	4342431	5.77E-02
203 ALL	668812.7	4342431	6.01E-02
204 ALL	669034	4342431	6.30E-02
205 ALL	669255.3	4342431	6.86E-02
206 ALL	669476.7	4342431	8.04E-02
207 ALL	669698	4342431	9.13E-02
208 ALL	669919.3	4342431	1.08E-01
209 ALL	670140.6	4342431	1.28E-01
210 ALL	670361.9	4342431	1.59E-01
211 ALL	670583.2	4342431	2.19E-01
212 ALL	670804.5	4342431	3.15E-01
213 ALL	671025.8	4342431	5.23E-01
214 ALL	671247.1	4342431	1.99E-01
215 ALL	671468.4	4342431	1.42E-01
216 ALL	671689.8	4342431	1.03E-01
217 ALL	671911.1	4342431	8.73E-02
218 ALL	672132.4	4342431	1.12E-01
219 ALL	672353.7	4342431	1.15E-01
220 ALL	672575	4342431	9.83E-02
221 ALL	668148.8	4342596	5.27E-02
222 ALL	668370.1	4342596	5.93E-02
223 ALL	668591.4	4342596	6.50E-02
224 ALL	668812.7	4342596	6.86E-02
225 ALL	669034	4342596	6.97E-02
226 ALL	669255.3	4342596	7.25E-02
227 ALL	669476.7	4342596	7.77E-02
228 ALL	669698	4342596	9.36E-02
229 ALL	669919.3	4342596	1.05E-01
230 ALL	670140.6	4342596	1.28E-01
231 ALL	670361.9	4342596	1.62E-01
232 ALL	670583.2	4342596	1.92E-01
233 ALL	670804.5	4342596	3.31E-01
234 ALL	671025.8	4342596	4.20E-01
235 ALL	671247.1	4342596	2.71E-01
236 ALL	671468.4	4342596	1.02E-01
237 ALL	671689.8	4342596	6.94E-02
238 ALL	671911.1	4342596	5.55E-02
239 ALL	672132.4	4342596	6.96E-02
240 ALL	672353.7	4342596	1.21E-01
241 ALL	672575	4342596	9.04E-02
242 ALL	668148.8	4342761	5.66E-02
243 ALL	668370.1	4342761	6.93E-02
244 ALL	668591.4	4342761	7.90E-02
245 ALL	668812.7	4342761	8.76E-02
246 ALL	669034	4342761	8.19E-02
247 ALL	669255.3	4342761	8.15E-02
248 ALL	669476.7	4342761	8.53E-02
249 ALL	669698	4342761	9.66E-02

Unmitigated Chronic Risk

250 ALL	669919.3	4342761	1.08E-01
251 ALL	670140.6	4342761	1.63E-01
252 ALL	670361.9	4342761	2.14E-01
253 ALL	670583.2	4342761	1.74E-01
254 ALL	670804.5	4342761	2.50E-01
255 ALL	671025.8	4342761	2.54E-01
256 ALL	671247.1	4342761	1.20E-01
257 ALL	671468.4	4342761	8.48E-02
258 ALL	671689.8	4342761	6.45E-02
259 ALL	671911.1	4342761	4.47E-02
260 ALL	672132.4	4342761	4.91E-02
261 ALL	672353.7	4342761	1.19E-01
262 ALL	672575	4342761	9.78E-02
263 ALL	668148.8	4342926	5.69E-02
264 ALL	668370.1	4342926	7.40E-02
265 ALL	668591.4	4342926	9.39E-02
266 ALL	668812.7	4342926	1.22E-01
267 ALL	669034	4342926	1.51E-01
268 ALL	669476.7	4342926	9.71E-02
269 ALL	669698	4342926	9.69E-02
270 ALL	669919.3	4342926	1.28E-01
271 ALL	670140.6	4342926	1.78E-01
272 ALL	670361.9	4342926	2.03E-01
273 ALL	670583.2	4342926	2.37E-01
274 ALL	670804.5	4342926	2.81E-01
275 ALL	671025.8	4342926	9.70E-02
276 ALL	671247.1	4342926	9.66E-02
277 ALL	671468.4	4342926	6.55E-02
278 ALL	671689.8	4342926	5.41E-02
279 ALL	671911.1	4342926	4.10E-02
280 ALL	672132.4	4342926	3.28E-02
281 ALL	672353.7	4342926	5.66E-02
282 ALL	672575	4342926	9.84E-02
283 ALL	668148.8	4343090	5.29E-02
284 ALL	668370.1	4343090	7.16E-02
285 ALL	668591.4	4343090	1.11E-01
286 ALL	669476.7	4343090	1.07E-01
287 ALL	669698	4343090	9.38E-02
288 ALL	669919.3	4343090	1.02E-01
289 ALL	670140.6	4343090	1.35E-01
290 ALL	670361.9	4343090	1.34E-01
291 ALL	670583.2	4343090	1.45E-01
292 ALL	670804.5	4343090	2.18E-01
293 ALL	671025.8	4343090	8.04E-02
294 ALL	671247.1	4343090	7.59E-02
295 ALL	671468.4	4343090	5.70E-02
296 ALL	671689.8	4343090	4.54E-02
297 ALL	671911.1	4343090	3.61E-02
298 ALL	672132.4	4343090	3.02E-02
299 ALL	672353.7	4343090	2.47E-02

Unmitigated Chronic Risk

300 ALL	672575	4343090	3.26E-02
301 ALL	668148.8	4343255	5.03E-02
302 ALL	668370.1	4343255	6.84E-02
303 ALL	668591.4	4343255	1.44E-01
304 ALL	669476.7	4343255	9.90E-02
305 ALL	669698	4343255	9.85E-02
306 ALL	669919.3	4343255	1.04E-01
307 ALL	670140.6	4343255	1.14E-01
308 ALL	670361.9	4343255	1.18E-01
309 ALL	670583.2	4343255	1.21E-01
310 ALL	670804.5	4343255	1.36E-01
311 ALL	671025.8	4343255	7.22E-02
312 ALL	671247.1	4343255	6.11E-02
313 ALL	671468.4	4343255	5.34E-02
314 ALL	671689.8	4343255	3.93E-02
315 ALL	671911.1	4343255	3.21E-02
316 ALL	672132.4	4343255	2.78E-02
317 ALL	672353.7	4343255	2.46E-02
318 ALL	672575	4343255	2.02E-02
319 ALL	668148.8	4343420	4.90E-02
320 ALL	668370.1	4343420	6.84E-02
321 ALL	668591.4	4343420	1.42E-01
322 ALL	668812.7	4343420	3.35E-01
323 ALL	669034	4343420	4.31E-01
324 ALL	669255.3	4343420	2.04E-01
325 ALL	669476.7	4343420	9.49E-02
326 ALL	669698	4343420	8.41E-02
327 ALL	669919.3	4343420	8.87E-02
328 ALL	670140.6	4343420	9.18E-02
329 ALL	670361.9	4343420	9.87E-02
330 ALL	670583.2	4343420	1.04E-01
331 ALL	670804.5	4343420	1.18E-01
332 ALL	671025.8	4343420	1.60E-01
333 ALL	671247.1	4343420	8.23E-02
334 ALL	671468.4	4343420	4.56E-02
335 ALL	671689.8	4343420	3.64E-02
336 ALL	671911.1	4343420	2.90E-02
337 ALL	672132.4	4343420	2.47E-02
338 ALL	672353.7	4343420	2.10E-02
339 ALL	672575	4343420	1.85E-02
340 ALL	668148.8	4343585	4.68E-02
341 ALL	668370.1	4343585	6.05E-02
342 ALL	668591.4	4343585	1.10E-01
343 ALL	668812.7	4343585	1.76E-01
344 ALL	669034	4343585	1.85E-01
345 ALL	669255.3	4343585	1.24E-01
346 ALL	669476.7	4343585	8.18E-02
347 ALL	669698	4343585	7.33E-02
348 ALL	669919.3	4343585	7.61E-02
349 ALL	670140.6	4343585	8.17E-02

Unmitigated Chronic Risk

350 ALL	670361.9	4343585	8.82E-02
351 ALL	670583.2	4343585	9.37E-02
352 ALL	670804.5	4343585	1.02E-01
353 ALL	671025.8	4343585	1.06E-01
354 ALL	671247.1	4343585	8.54E-02
355 ALL	671468.4	4343585	5.13E-02
356 ALL	671689.8	4343585	3.92E-02
357 ALL	671911.1	4343585	2.96E-02
358 ALL	672132.4	4343585	2.49E-02
359 ALL	672353.7	4343585	2.03E-02
360 ALL	672575	4343585	1.84E-02
361 ALL	668148.8	4343750	4.71E-02
362 ALL	668370.1	4343750	5.85E-02
363 ALL	668591.4	4343750	8.71E-02
364 ALL	668812.7	4343750	1.22E-01
365 ALL	669034	4343750	1.21E-01
366 ALL	669255.3	4343750	9.56E-02
367 ALL	669476.7	4343750	7.49E-02
368 ALL	669698	4343750	6.93E-02
369 ALL	669919.3	4343750	7.09E-02
370 ALL	670140.6	4343750	7.51E-02
371 ALL	670361.9	4343750	8.15E-02
372 ALL	670583.2	4343750	8.43E-02
373 ALL	670804.5	4343750	8.87E-02
374 ALL	671025.8	4343750	9.15E-02
375 ALL	671247.1	4343750	1.05E-01
376 ALL	671468.4	4343750	1.06E-01
377 ALL	671689.8	4343750	1.09E-01
378 ALL	671911.1	4343750	6.51E-02
379 ALL	672132.4	4343750	2.92E-02
380 ALL	672353.7	4343750	2.18E-02
381 ALL	672575	4343750	1.94E-02
382 ALL	668148.8	4343915	4.78E-02
383 ALL	668370.1	4343915	5.79E-02
384 ALL	668591.4	4343915	7.52E-02
385 ALL	668812.7	4343915	9.43E-02
386 ALL	669034	4343915	9.53E-02
387 ALL	669255.3	4343915	8.18E-02
388 ALL	669476.7	4343915	6.97E-02
389 ALL	669698	4343915	6.55E-02
390 ALL	669919.3	4343915	6.64E-02
391 ALL	670140.6	4343915	7.06E-02
392 ALL	670361.9	4343915	7.31E-02
393 ALL	670583.2	4343915	7.82E-02
394 ALL	670804.5	4343915	8.06E-02
395 ALL	671025.8	4343915	8.19E-02
396 ALL	671247.1	4343915	8.24E-02
397 ALL	671468.4	4343915	1.00E-01
398 ALL	671689.8	4343915	9.94E-02
399 ALL	671911.1	4343915	5.49E-02

Unmitigated Chronic Risk

400 ALL	672132.4	4343915	4.58E-02
401 ALL	672353.7	4343915	3.25E-02
402 ALL	672575	4343915	2.51E-02
403 ALL	668148.8	4344080	4.66E-02
404 ALL	668370.1	4344080	5.53E-02
405 ALL	668591.4	4344080	6.75E-02
406 ALL	668812.7	4344080	7.90E-02
407 ALL	669034	4344080	8.03E-02
408 ALL	669255.3	4344080	7.22E-02
409 ALL	669476.7	4344080	6.46E-02
410 ALL	669698	4344080	6.18E-02
411 ALL	669919.3	4344080	6.28E-02
412 ALL	670140.6	4344080	6.72E-02
413 ALL	670361.9	4344080	6.71E-02
414 ALL	670583.2	4344080	7.16E-02
415 ALL	670804.5	4344080	7.41E-02
416 ALL	671025.8	4344080	1.11E-01
417 ALL	671247.1	4344080	7.53E-02
418 ALL	671468.4	4344080	6.55E-02
419 ALL	671689.8	4344080	6.64E-02
420 ALL	671911.1	4344080	2.86E-02
421 ALL	672132.4	4344080	2.36E-02
422 ALL	672353.7	4344080	2.25E-02
423 ALL	672575	4344080	1.96E-02
424 ALL	671464.7	4342094	2.53E-01
425 ALL	671482.2	4342064	2.66E-01
426 ALL	671498.6	4342030	2.78E-01
427 ALL	671513.8	4341992	2.99E-01
428 ALL	671541.8	4341965	2.87E-01
429 ALL	671575.6	4341974	2.30E-01
430 ALL	671460.8	4342163	2.12E-01
431 ALL	671451	4342187	2.09E-01
432 ALL	671510.7	4342220	1.76E-01
433 ALL	671524.1	4342193	1.73E-01
434 ALL	671522.9	4342251	1.70E-01
435 ALL	671599.1	4342253	1.47E-01
436 ALL	671627.8	4342257	1.43E-01
437 ALL	671583.9	4342116	1.49E-01
438 ALL	671595.5	4342072	1.54E-01
439 ALL	671663.1	4342056	1.46E-01
440 ALL	671600.9	4342030	1.72E-01
441 ALL	671526.6	4342156	1.73E-01
442 ALL	671629	4342292	1.43E-01
443 ALL	671641.8	4341981	1.83E-01
444 ALL	671666.8	4342019	1.58E-01
445 ALL	671407.1	4342220	2.30E-01
446 ALL	671415.6	4342183	2.40E-01
447 ALL	671635.1	4341706	6.52E-01
448 ALL	671693.6	4341710	5.38E-01
449 ALL	671719.8	4341736	4.77E-01

Unmitigated Chronic Risk

450 ALL	671673.5	4341630	6.57E-01
451 ALL	671888	4341936	1.99E-01
452 ALL	671977.6	4341952	1.29E-01
453 ALL	672039.2	4341895	9.68E-02
454 ALL	671858.2	4341754	3.38E-01
455 ALL	671922.8	4341634	2.84E-01
456 ALL	671613.7	4341791	4.40E-01
457 ALL	671853.3	4341731	3.47E-01
458 ALL	671783.8	4341586	4.33E-01
459 ALL	671783.2	4341547	4.24E-01
460 ALL	671769.2	4341461	4.03E-01
461 ALL	671800.9	4341421	3.85E-01
462 ALL	671880.1	4341427	2.95E-01
463 ALL	672012.4	4341505	9.73E-02
464 ALL	672084.3	4341548	1.05E-01
465 ALL	671915.5	4341478	2.46E-01
466 ALL	671903.3	4341564	2.99E-01
467 ALL	671863.1	4341522	3.50E-01
468 ALL	671830.1	4341336	3.71E-01
469 ALL	671835.6	4341288	3.62E-01
470 ALL	671825.9	4341275	3.74E-01
471 ALL	672136.7	4341371	5.99E-02
472 ALL	671920.3	4341307	2.03E-01
473 ALL	671695.4	4341257	3.78E-01
474 ALL	671682	4341176	2.49E-01
475 ALL	671991.7	4341196	1.95E-01
476 ALL	672022.1	4341232	1.45E-01
477 ALL	671992.3	4341178	1.51E-01
478 ALL	671540.6	4341238	1.42E-01
479 ALL	671575.3	4341178	1.17E-01
480 ALL	671454.7	4341196	1.19E-01
481 ALL	671523.5	4341116	9.81E-02
482 ALL	671413.2	4341127	9.90E-02
483 ALL	671471.1	4341065	8.82E-02
484 ALL	671601.6	4341051	1.42E-01
485 ALL	671198.6	4341254	7.78E-02
486 ALL	671278.5	4341212	9.04E-02
487 ALL	671230.3	4341133	6.98E-02
488 ALL	671073.1	4341272	6.88E-02
489 ALL	671122.5	4341374	9.58E-02
490 ALL	671118.8	4341397	1.02E-01
491 ALL	670978.4	4341324	7.42E-02
492 ALL	670932.9	4341394	8.10E-02
493 ALL	670935.2	4341367	7.90E-02
494 ALL	671108	4340976	6.03E-02
495 ALL	671286.7	4340979	6.59E-02
496 ALL	671675.4	4342489	8.94E-02
497 ALL	671091.4	4342277	6.44E-01
498 ALL	671051.8	4342332	4.86E-01
499 ALL	671051.8	4342369	5.26E-01

Unmitigated Chronic Risk

500 ALL	670953	4342361	4.64E-01
501 ALL	670695.7	4342236	2.57E-01
502 ALL	670545.5	4342319	2.03E-01
503 ALL	670711.7	4342488	3.04E-01
504 ALL	670648.3	4342502	2.49E-01
505 ALL	670648.3	4342631	1.35E-01
506 ALL	670806.3	4342728	2.48E-01
507 ALL	670688.2	4342739	1.25E-01
508 ALL	670804.9	4342428	3.16E-01
509 ALL	670439.5	4342472	1.79E-01
510 ALL	670358.4	4342579	1.62E-01
511 ALL	670546.6	4342662	2.27E-01
512 ALL	670537	4342595	2.20E-01
513 ALL	670483.5	4342777	2.13E-01
514 ALL	670508.2	4342755	2.12E-01
515 ALL	670517.8	4342869	2.22E-01
516 ALL	670545.3	4342851	1.99E-01
517 ALL	670582.4	4342878	2.21E-01
518 ALL	670304.9	4342689	1.50E-01
519 ALL	670039.7	4342661	1.17E-01
520 ALL	670156.5	4342673	1.31E-01
521 ALL	670236.2	4342649	1.42E-01
522 ALL	670071.3	4342738	1.21E-01
523 ALL	669990.2	4342753	1.14E-01
524 ALL	669928.4	4342742	1.08E-01
525 ALL	669815.8	4342673	1.02E-01
526 ALL	669743	4342656	9.87E-02
527 ALL	669791	4342745	9.99E-02
528 ALL	669696.3	4342731	9.70E-02
529 ALL	669536.9	4342553	7.88E-02
530 ALL	671174.9	4342280	7.34E-01
531 ALL	671068.4	4342170	9.53E-01
532 ALL	670965.7	4342179	5.27E-01
533 ALL	670815.5	4342198	3.09E-01
534 ALL	670737.6	4342098	2.51E-01
535 ALL	670762.3	4342069	2.61E-01
536 ALL	670817.4	4342041	2.90E-01
537 ALL	670895.4	4342025	3.42E-01
538 ALL	670979	4341915	4.28E-01
539 ALL	671115.9	4341864	7.01E-01
540 ALL	671199.6	4341771	1.17E+00
541 ALL	671222.4	4341377	1.40E-01
542 ALL	671714.8	4341392	4.71E-01
543 ALL	671366.9	4341999	1.14E+00
544 ALL	671226.2	4342236	7.65E-01
545 ALL	669098.4	4343412	4.18E-01
546 ALL	668908.6	4343365	6.17E-01
547 ALL	668851.5	4343360	5.76E-01
548 ALL	668831.4	4343371	4.89E-01
549 ALL	668733.9	4343302	6.45E-01

Unmitigated Chronic Risk

550 ALL	668686.9	4343200	4.52E-01
551 ALL	668671.8	4343089	1.96E-01
552 ALL	668806.2	4343002	2.00E-01
553 ALL	668918.7	4343025	2.26E-01
554 ALL	669024.5	4342943	1.80E-01
555 ALL	669288.2	4342916	1.37E-01
556 ALL	669333.6	4342923	1.28E-01
557 ALL	669365.5	4342978	1.59E-01
558 ALL	669337	4343151	2.99E-01
559 ALL	669303.4	4343304	2.96E-01
560 ALL	669222.7	4343235	8.24E-01
561 ALL	669135.4	4343306	8.55E-01

Mitigated Chronic Risk

REC	GRP	X	Y	MAXHI
1	ALL	668148.8	4340781.04	4.03E-02
2	ALL	668370.1	4340781.04	4.50E-02
3	ALL	668591.4	4340781.04	4.96E-02
4	ALL	668812.7	4340781.04	5.34E-02
5	ALL	669034	4340781.04	5.93E-02
6	ALL	669255.3	4340781.04	6.64E-02
7	ALL	669476.7	4340781.04	7.34E-02
8	ALL	669698	4340781.04	8.24E-02
9	ALL	669919.3	4340781.04	1.01E-01
10	ALL	670140.6	4340781.04	1.17E-01
11	ALL	670361.9	4340781.04	1.14E-01
12	ALL	670583.2	4340781.04	7.98E-02
13	ALL	670804.5	4340781.04	7.85E-02
14	ALL	671025.8	4340781.04	6.38E-02
15	ALL	671247.1	4340781.04	6.40E-02
16	ALL	671468.4	4340781.04	8.69E-02
17	ALL	671689.8	4340781.04	1.27E-01
18	ALL	671911.1	4340781.04	1.21E-01
19	ALL	672132.4	4340781.04	6.29E-02
20	ALL	672353.7	4340781.04	1.14E-01
21	ALL	672575	4340781.04	1.47E-01
22	ALL	668148.8	4340946	3.96E-02
23	ALL	668370.1	4340946	4.43E-02
24	ALL	668591.4	4340946	4.88E-02
25	ALL	668812.7	4340946	5.34E-02
26	ALL	669034	4340946	6.11E-02
27	ALL	669255.3	4340946	6.78E-02
28	ALL	669476.7	4340946	7.52E-02
29	ALL	669698	4340946	8.71E-02
30	ALL	669919.3	4340946	1.20E-01
31	ALL	670140.6	4340946	1.26E-01
32	ALL	670361.9	4340946	1.33E-01
33	ALL	670583.2	4340946	1.27E-01
34	ALL	670804.5	4340946	8.32E-02
35	ALL	671025.8	4340946	6.30E-02
36	ALL	671247.1	4340946	6.25E-02
37	ALL	671468.4	4340946	7.83E-02
38	ALL	671689.8	4340946	1.62E-01
39	ALL	671911.1	4340946	1.91E-01
40	ALL	672132.4	4340946	5.78E-02
41	ALL	672353.7	4340946	7.75E-02
42	ALL	672575	4340946	1.43E-01
43	ALL	668148.8	4341110.96	4.00E-02
44	ALL	668370.1	4341110.96	4.32E-02
45	ALL	668591.4	4341110.96	4.92E-02
46	ALL	668812.7	4341110.96	5.45E-02
47	ALL	669034	4341110.96	6.11E-02
48	ALL	669255.3	4341110.96	6.70E-02
49	ALL	669476.7	4341110.96	7.76E-02

Mitigated Chronic Risk

50 ALL	669698	4341110.96	8.98E-02
51 ALL	669919.3	4341110.96	1.03E-01
52 ALL	670140.6	4341110.96	1.37E-01
53 ALL	670361.9	4341110.96	1.27E-01
54 ALL	670583.2	4341110.96	9.28E-02
55 ALL	670804.5	4341110.96	6.98E-02
56 ALL	671025.8	4341110.96	6.02E-02
57 ALL	671247.1	4341110.96	7.22E-02
58 ALL	671468.4	4341110.96	9.21E-02
59 ALL	671689.8	4341110.96	2.62E-01
60 ALL	671911.1	4341110.96	2.07E-01
61 ALL	672132.4	4341110.96	5.60E-02
62 ALL	672353.7	4341110.96	5.13E-02
63 ALL	672575	4341110.96	1.46E-01
64 ALL	668148.8	4341275.92	4.09E-02
65 ALL	668370.1	4341275.92	4.45E-02
66 ALL	668591.4	4341275.92	4.98E-02
67 ALL	668812.7	4341275.92	5.62E-02
68 ALL	669034	4341275.92	6.32E-02
69 ALL	669255.3	4341275.92	7.04E-02
70 ALL	669476.7	4341275.92	7.90E-02
71 ALL	669698	4341275.92	9.09E-02
72 ALL	669919.3	4341275.92	1.27E-01
73 ALL	670140.6	4341275.92	1.13E-01
74 ALL	670361.9	4341275.92	9.83E-02
75 ALL	670583.2	4341275.92	6.90E-02
76 ALL	670804.5	4341275.92	7.01E-02
77 ALL	671025.8	4341275.92	6.91E-02
78 ALL	671247.1	4341275.92	9.78E-02
79 ALL	671468.4	4341275.92	2.60E-01
80 ALL	671689.8	4341275.92	4.07E-01
81 ALL	671911.1	4341275.92	2.52E-01
82 ALL	672132.4	4341275.92	6.16E-02
83 ALL	672353.7	4341275.92	4.47E-02
84 ALL	672575	4341275.92	1.42E-01
85 ALL	668148.8	4341440.88	4.14E-02
86 ALL	668370.1	4341440.88	4.54E-02
87 ALL	668591.4	4341440.88	5.03E-02
88 ALL	668812.7	4341440.88	5.67E-02
89 ALL	669034	4341440.88	6.36E-02
90 ALL	669255.3	4341440.88	7.04E-02
91 ALL	669476.7	4341440.88	8.00E-02
92 ALL	669698	4341440.88	9.33E-02
93 ALL	669919.3	4341440.88	1.26E-01
94 ALL	670140.6	4341440.88	9.81E-02
95 ALL	670361.9	4341440.88	8.52E-02
96 ALL	670583.2	4341440.88	7.05E-02
97 ALL	670804.5	4341440.88	8.69E-02
98 ALL	671025.8	4341440.88	8.99E-02
99 ALL	671689.8	4341440.88	5.08E-01

Mitigated Chronic Risk

100 ALL	671911.1	4341440.88	2.47E-01
101 ALL	672132.4	4341440.88	6.74E-02
102 ALL	672353.7	4341440.88	6.62E-02
103 ALL	672575	4341440.88	1.19E-01
104 ALL	668148.8	4341605.84	4.32E-02
105 ALL	668370.1	4341605.84	4.67E-02
106 ALL	668591.4	4341605.84	5.14E-02
107 ALL	668812.7	4341605.84	5.70E-02
108 ALL	669034	4341605.84	6.33E-02
109 ALL	669255.3	4341605.84	7.11E-02
110 ALL	669476.7	4341605.84	8.10E-02
111 ALL	669698	4341605.84	9.30E-02
112 ALL	669919.3	4341605.84	1.18E-01
113 ALL	670140.6	4341605.84	1.08E-01
114 ALL	670361.9	4341605.84	7.95E-02
115 ALL	670583.2	4341605.84	8.10E-02
116 ALL	670804.5	4341605.84	1.27E-01
117 ALL	671025.8	4341605.84	1.19E-01
118 ALL	671689.8	4341605.84	6.15E-01
119 ALL	671911.1	4341605.84	2.97E-01
120 ALL	672132.4	4341605.84	1.10E-01
121 ALL	672353.7	4341605.84	8.70E-02
122 ALL	672575	4341605.84	1.22E-01
123 ALL	668148.8	4341770.8	4.38E-02
124 ALL	668370.1	4341770.8	4.77E-02
125 ALL	668591.4	4341770.8	5.12E-02
126 ALL	668812.7	4341770.8	5.69E-02
127 ALL	669034	4341770.8	6.42E-02
128 ALL	669255.3	4341770.8	7.29E-02
129 ALL	669476.7	4341770.8	8.23E-02
130 ALL	669698	4341770.8	1.17E-01
131 ALL	669919.3	4341770.8	1.09E-01
132 ALL	670140.6	4341770.8	9.24E-02
133 ALL	670361.9	4341770.8	7.00E-02
134 ALL	670583.2	4341770.8	1.09E-01
135 ALL	670804.5	4341770.8	2.88E-01
136 ALL	671025.8	4341770.8	4.65E-01
137 ALL	671689.8	4341770.8	3.92E-01
138 ALL	671911.1	4341770.8	2.72E-01
139 ALL	672132.4	4341770.8	7.73E-02
140 ALL	672353.7	4341770.8	5.10E-02
141 ALL	672575	4341770.8	1.18E-01
142 ALL	668148.8	4341935.76	4.41E-02
143 ALL	668370.1	4341935.76	4.73E-02
144 ALL	668591.4	4341935.76	5.16E-02
145 ALL	668812.7	4341935.76	5.76E-02
146 ALL	669034	4341935.76	6.53E-02
147 ALL	669255.3	4341935.76	7.36E-02
148 ALL	669476.7	4341935.76	1.07E-01
149 ALL	669698	4341935.76	9.38E-02

Mitigated Chronic Risk

150 ALL	669919.3	4341935.76	6.67E-02
151 ALL	670140.6	4341935.76	6.91E-02
152 ALL	670361.9	4341935.76	8.22E-02
153 ALL	670583.2	4341935.76	2.01E-01
154 ALL	670804.5	4341935.76	3.02E-01
155 ALL	671468.4	4341935.76	5.20E-01
156 ALL	671689.8	4341935.76	2.09E-01
157 ALL	671911.1	4341935.76	1.79E-01
158 ALL	672132.4	4341935.76	6.59E-02
159 ALL	672353.7	4341935.76	4.31E-02
160 ALL	672575	4341935.76	1.31E-01
161 ALL	668148.8	4342100.72	4.67E-02
162 ALL	668370.1	4342100.72	4.91E-02
163 ALL	668591.4	4342100.72	5.31E-02
164 ALL	668812.7	4342100.72	5.85E-02
165 ALL	669034	4342100.72	6.58E-02
166 ALL	669255.3	4342100.72	7.41E-02
167 ALL	669476.7	4342100.72	1.06E-01
168 ALL	669698	4342100.72	1.16E-01
169 ALL	669919.3	4342100.72	1.20E-01
170 ALL	670140.6	4342100.72	9.72E-02
171 ALL	670361.9	4342100.72	1.89E-01
172 ALL	670583.2	4342100.72	2.04E-01
173 ALL	671468.4	4342100.72	2.39E-01
174 ALL	671689.8	4342100.72	1.37E-01
175 ALL	671911.1	4342100.72	1.38E-01
176 ALL	672132.4	4342100.72	7.67E-02
177 ALL	672353.7	4342100.72	4.78E-02
178 ALL	672575	4342100.72	1.27E-01
179 ALL	668148.8	4342265.68	4.96E-02
180 ALL	668370.1	4342265.68	5.17E-02
181 ALL	668591.4	4342265.68	5.38E-02
182 ALL	668812.7	4342265.68	5.73E-02
183 ALL	669034	4342265.68	6.38E-02
184 ALL	669255.3	4342265.68	7.32E-02
185 ALL	669476.7	4342265.68	8.35E-02
186 ALL	669698	4342265.68	9.72E-02
187 ALL	669919.3	4342265.68	1.13E-01
188 ALL	670140.6	4342265.68	1.35E-01
189 ALL	670361.9	4342265.68	1.65E-01
190 ALL	670583.2	4342265.68	2.08E-01
191 ALL	670804.5	4342265.68	3.16E-01
192 ALL	671025.8	4342265.68	5.46E-01
193 ALL	671247.1	4342265.68	6.26E-01
194 ALL	671468.4	4342265.68	1.92E-01
195 ALL	671689.8	4342265.68	1.33E-01
196 ALL	671911.1	4342265.68	1.05E-01
197 ALL	672132.4	4342265.68	1.18E-01
198 ALL	672353.7	4342265.68	9.42E-02
199 ALL	672575	4342265.68	1.04E-01

Mitigated Chronic Risk

200 ALL	668148.8	4342430.64	4.92E-02
201 ALL	668370.1	4342430.64	5.65E-02
202 ALL	668591.4	4342430.64	5.76E-02
203 ALL	668812.7	4342430.64	6.00E-02
204 ALL	669034	4342430.64	6.29E-02
205 ALL	669255.3	4342430.64	6.84E-02
206 ALL	669476.7	4342430.64	8.02E-02
207 ALL	669698	4342430.64	9.10E-02
208 ALL	669919.3	4342430.64	1.08E-01
209 ALL	670140.6	4342430.64	1.27E-01
210 ALL	670361.9	4342430.64	1.56E-01
211 ALL	670583.2	4342430.64	2.18E-01
212 ALL	670804.5	4342430.64	3.14E-01
213 ALL	671025.8	4342430.64	5.21E-01
214 ALL	671247.1	4342430.64	1.97E-01
215 ALL	671468.4	4342430.64	1.41E-01
216 ALL	671689.8	4342430.64	1.03E-01
217 ALL	671911.1	4342430.64	8.69E-02
218 ALL	672132.4	4342430.64	1.11E-01
219 ALL	672353.7	4342430.64	1.14E-01
220 ALL	672575	4342430.64	9.81E-02
221 ALL	668148.8	4342595.6	5.26E-02
222 ALL	668370.1	4342595.6	5.93E-02
223 ALL	668591.4	4342595.6	6.50E-02
224 ALL	668812.7	4342595.6	6.85E-02
225 ALL	669034	4342595.6	6.96E-02
226 ALL	669255.3	4342595.6	7.23E-02
227 ALL	669476.7	4342595.6	7.70E-02
228 ALL	669698	4342595.6	9.18E-02
229 ALL	669919.3	4342595.6	1.03E-01
230 ALL	670140.6	4342595.6	1.26E-01
231 ALL	670361.9	4342595.6	1.61E-01
232 ALL	670583.2	4342595.6	1.92E-01
233 ALL	670804.5	4342595.6	3.31E-01
234 ALL	671025.8	4342595.6	4.19E-01
235 ALL	671247.1	4342595.6	2.70E-01
236 ALL	671468.4	4342595.6	1.01E-01
237 ALL	671689.8	4342595.6	6.89E-02
238 ALL	671911.1	4342595.6	5.52E-02
239 ALL	672132.4	4342595.6	6.93E-02
240 ALL	672353.7	4342595.6	1.20E-01
241 ALL	672575	4342595.6	9.02E-02
242 ALL	668148.8	4342760.56	5.66E-02
243 ALL	668370.1	4342760.56	6.93E-02
244 ALL	668591.4	4342760.56	7.90E-02
245 ALL	668812.7	4342760.56	8.76E-02
246 ALL	669034	4342760.56	8.18E-02
247 ALL	669255.3	4342760.56	8.13E-02
248 ALL	669476.7	4342760.56	8.37E-02
249 ALL	669698	4342760.56	9.61E-02

Mitigated Chronic Risk

250 ALL	669919.3	4342760.56	1.07E-01
251 ALL	670140.6	4342760.56	1.62E-01
252 ALL	670361.9	4342760.56	2.14E-01
253 ALL	670583.2	4342760.56	1.74E-01
254 ALL	670804.5	4342760.56	2.49E-01
255 ALL	671025.8	4342760.56	2.53E-01
256 ALL	671247.1	4342760.56	1.19E-01
257 ALL	671468.4	4342760.56	8.41E-02
258 ALL	671689.8	4342760.56	6.40E-02
259 ALL	671911.1	4342760.56	4.44E-02
260 ALL	672132.4	4342760.56	4.89E-02
261 ALL	672353.7	4342760.56	1.19E-01
262 ALL	672575	4342760.56	9.77E-02
263 ALL	668148.8	4342925.52	5.68E-02
264 ALL	668370.1	4342925.52	7.39E-02
265 ALL	668591.4	4342925.52	9.39E-02
266 ALL	668812.7	4342925.52	1.21E-01
267 ALL	669034	4342925.52	1.51E-01
268 ALL	669476.7	4342925.52	9.62E-02
269 ALL	669698	4342925.52	9.66E-02
270 ALL	669919.3	4342925.52	1.28E-01
271 ALL	670140.6	4342925.52	1.77E-01
272 ALL	670361.9	4342925.52	2.03E-01
273 ALL	670583.2	4342925.52	2.36E-01
274 ALL	670804.5	4342925.52	2.80E-01
275 ALL	671025.8	4342925.52	9.65E-02
276 ALL	671247.1	4342925.52	9.61E-02
277 ALL	671468.4	4342925.52	6.51E-02
278 ALL	671689.8	4342925.52	5.38E-02
279 ALL	671911.1	4342925.52	4.08E-02
280 ALL	672132.4	4342925.52	3.26E-02
281 ALL	672353.7	4342925.52	5.65E-02
282 ALL	672575	4342925.52	9.83E-02
283 ALL	668148.8	4343090.48	5.29E-02
284 ALL	668370.1	4343090.48	7.16E-02
285 ALL	668591.4	4343090.48	1.11E-01
286 ALL	669476.7	4343090.48	1.07E-01
287 ALL	669698	4343090.48	9.35E-02
288 ALL	669919.3	4343090.48	1.02E-01
289 ALL	670140.6	4343090.48	1.35E-01
290 ALL	670361.9	4343090.48	1.34E-01
291 ALL	670583.2	4343090.48	1.45E-01
292 ALL	670804.5	4343090.48	2.18E-01
293 ALL	671025.8	4343090.48	8.01E-02
294 ALL	671247.1	4343090.48	7.55E-02
295 ALL	671468.4	4343090.48	5.67E-02
296 ALL	671689.8	4343090.48	4.51E-02
297 ALL	671911.1	4343090.48	3.60E-02
298 ALL	672132.4	4343090.48	3.00E-02
299 ALL	672353.7	4343090.48	2.46E-02

Mitigated Chronic Risk

300 ALL	672575	4343090.48	3.25E-02
301 ALL	668148.8	4343255.44	5.03E-02
302 ALL	668370.1	4343255.44	6.84E-02
303 ALL	668591.4	4343255.44	1.44E-01
304 ALL	669476.7	4343255.44	9.88E-02
305 ALL	669698	4343255.44	9.83E-02
306 ALL	669919.3	4343255.44	1.04E-01
307 ALL	670140.6	4343255.44	1.14E-01
308 ALL	670361.9	4343255.44	1.17E-01
309 ALL	670583.2	4343255.44	1.21E-01
310 ALL	670804.5	4343255.44	1.36E-01
311 ALL	671025.8	4343255.44	7.19E-02
312 ALL	671247.1	4343255.44	6.08E-02
313 ALL	671468.4	4343255.44	5.31E-02
314 ALL	671689.8	4343255.44	3.91E-02
315 ALL	671911.1	4343255.44	3.20E-02
316 ALL	672132.4	4343255.44	2.77E-02
317 ALL	672353.7	4343255.44	2.45E-02
318 ALL	672575	4343255.44	2.01E-02
319 ALL	668148.8	4343420.4	4.89E-02
320 ALL	668370.1	4343420.4	6.83E-02
321 ALL	668591.4	4343420.4	1.42E-01
322 ALL	668812.7	4343420.4	3.35E-01
323 ALL	669034	4343420.4	4.31E-01
324 ALL	669255.3	4343420.4	2.04E-01
325 ALL	669476.7	4343420.4	9.48E-02
326 ALL	669698	4343420.4	8.40E-02
327 ALL	669919.3	4343420.4	8.85E-02
328 ALL	670140.6	4343420.4	9.16E-02
329 ALL	670361.9	4343420.4	9.85E-02
330 ALL	670583.2	4343420.4	1.04E-01
331 ALL	670804.5	4343420.4	1.18E-01
332 ALL	671025.8	4343420.4	1.60E-01
333 ALL	671247.1	4343420.4	8.20E-02
334 ALL	671468.4	4343420.4	4.54E-02
335 ALL	671689.8	4343420.4	3.62E-02
336 ALL	671911.1	4343420.4	2.89E-02
337 ALL	672132.4	4343420.4	2.45E-02
338 ALL	672353.7	4343420.4	2.09E-02
339 ALL	672575	4343420.4	1.85E-02
340 ALL	668148.8	4343585.36	4.68E-02
341 ALL	668370.1	4343585.36	6.04E-02
342 ALL	668591.4	4343585.36	1.10E-01
343 ALL	668812.7	4343585.36	1.76E-01
344 ALL	669034	4343585.36	1.85E-01
345 ALL	669255.3	4343585.36	1.24E-01
346 ALL	669476.7	4343585.36	8.16E-02
347 ALL	669698	4343585.36	7.31E-02
348 ALL	669919.3	4343585.36	7.60E-02
349 ALL	670140.6	4343585.36	8.15E-02

Mitigated Chronic Risk

350 ALL	670361.9	4343585.36	8.80E-02
351 ALL	670583.2	4343585.36	9.35E-02
352 ALL	670804.5	4343585.36	1.02E-01
353 ALL	671025.8	4343585.36	1.06E-01
354 ALL	671247.1	4343585.36	8.52E-02
355 ALL	671468.4	4343585.36	5.11E-02
356 ALL	671689.8	4343585.36	3.90E-02
357 ALL	671911.1	4343585.36	2.95E-02
358 ALL	672132.4	4343585.36	2.48E-02
359 ALL	672353.7	4343585.36	2.02E-02
360 ALL	672575	4343585.36	1.83E-02
361 ALL	668148.8	4343750.32	4.70E-02
362 ALL	668370.1	4343750.32	5.84E-02
363 ALL	668591.4	4343750.32	8.71E-02
364 ALL	668812.7	4343750.32	1.22E-01
365 ALL	669034	4343750.32	1.21E-01
366 ALL	669255.3	4343750.32	9.55E-02
367 ALL	669476.7	4343750.32	7.48E-02
368 ALL	669698	4343750.32	6.92E-02
369 ALL	669919.3	4343750.32	7.08E-02
370 ALL	670140.6	4343750.32	7.50E-02
371 ALL	670361.9	4343750.32	8.13E-02
372 ALL	670583.2	4343750.32	8.41E-02
373 ALL	670804.5	4343750.32	8.85E-02
374 ALL	671025.8	4343750.32	9.13E-02
375 ALL	671247.1	4343750.32	1.05E-01
376 ALL	671468.4	4343750.32	1.06E-01
377 ALL	671689.8	4343750.32	1.09E-01
378 ALL	671911.1	4343750.32	6.50E-02
379 ALL	672132.4	4343750.32	2.91E-02
380 ALL	672353.7	4343750.32	2.17E-02
381 ALL	672575	4343750.32	1.93E-02
382 ALL	668148.8	4343915.28	4.77E-02
383 ALL	668370.1	4343915.28	5.79E-02
384 ALL	668591.4	4343915.28	7.51E-02
385 ALL	668812.7	4343915.28	9.43E-02
386 ALL	669034	4343915.28	9.53E-02
387 ALL	669255.3	4343915.28	8.17E-02
388 ALL	669476.7	4343915.28	6.96E-02
389 ALL	669698	4343915.28	6.54E-02
390 ALL	669919.3	4343915.28	6.62E-02
391 ALL	670140.6	4343915.28	7.04E-02
392 ALL	670361.9	4343915.28	7.30E-02
393 ALL	670583.2	4343915.28	7.80E-02
394 ALL	670804.5	4343915.28	8.04E-02
395 ALL	671025.8	4343915.28	8.17E-02
396 ALL	671247.1	4343915.28	8.22E-02
397 ALL	671468.4	4343915.28	9.99E-02
398 ALL	671689.8	4343915.28	9.92E-02
399 ALL	671911.1	4343915.28	5.48E-02

Mitigated Chronic Risk

400 ALL	672132.4	4343915.28	4.57E-02
401 ALL	672353.7	4343915.28	3.24E-02
402 ALL	672575	4343915.28	2.50E-02
403 ALL	668148.8	4344080.24	4.65E-02
404 ALL	668370.1	4344080.24	5.52E-02
405 ALL	668591.4	4344080.24	6.75E-02
406 ALL	668812.7	4344080.24	7.90E-02
407 ALL	669034	4344080.24	8.03E-02
408 ALL	669255.3	4344080.24	7.21E-02
409 ALL	669476.7	4344080.24	6.45E-02
410 ALL	669698	4344080.24	6.17E-02
411 ALL	669919.3	4344080.24	6.27E-02
412 ALL	670140.6	4344080.24	6.71E-02
413 ALL	670361.9	4344080.24	6.70E-02
414 ALL	670583.2	4344080.24	7.15E-02
415 ALL	670804.5	4344080.24	7.39E-02
416 ALL	671025.8	4344080.24	1.10E-01
417 ALL	671247.1	4344080.24	7.51E-02
418 ALL	671468.4	4344080.24	6.53E-02
419 ALL	671689.8	4344080.24	6.62E-02
420 ALL	671911.1	4344080.24	2.85E-02
421 ALL	672132.4	4344080.24	2.35E-02
422 ALL	672353.7	4344080.24	2.24E-02
423 ALL	672575	4344080.24	1.95E-02
424 ALL	671464.7	4342094.27	2.50E-01
425 ALL	671482.2	4342063.91	2.63E-01
426 ALL	671498.6	4342030.05	2.74E-01
427 ALL	671513.8	4341991.52	2.95E-01
428 ALL	671541.8	4341964.66	2.83E-01
429 ALL	671575.6	4341974	2.27E-01
430 ALL	671460.8	4342162.97	2.09E-01
431 ALL	671451	4342187.35	2.06E-01
432 ALL	671510.7	4342219.66	1.74E-01
433 ALL	671524.1	4342192.84	1.71E-01
434 ALL	671522.9	4342250.74	1.68E-01
435 ALL	671599.1	4342252.57	1.45E-01
436 ALL	671627.8	4342256.84	1.41E-01
437 ALL	671583.9	4342116.03	1.47E-01
438 ALL	671595.5	4342071.54	1.52E-01
439 ALL	671663.1	4342056.3	1.44E-01
440 ALL	671600.9	4342030.09	1.70E-01
441 ALL	671526.6	4342155.65	1.71E-01
442 ALL	671629	4342292.19	1.42E-01
443 ALL	671641.8	4341980.71	1.80E-01
444 ALL	671666.8	4342018.51	1.57E-01
445 ALL	671407.1	4342219.66	2.27E-01
446 ALL	671415.6	4342183.08	2.37E-01
447 ALL	671635.1	4341706.42	6.49E-01
448 ALL	671693.6	4341710.08	5.35E-01
449 ALL	671719.8	4341736.29	4.75E-01

Mitigated Chronic Risk

450 ALL	671673.5	4341630.23	6.55E-01
451 ALL	671888	4341936.22	1.98E-01
452 ALL	671977.6	4341952.07	1.29E-01
453 ALL	672039.2	4341894.77	9.62E-02
454 ALL	671858.2	4341753.96	3.37E-01
455 ALL	671922.8	4341634.49	2.84E-01
456 ALL	671613.7	4341791.15	4.36E-01
457 ALL	671853.3	4341730.8	3.46E-01
458 ALL	671783.8	4341585.73	4.32E-01
459 ALL	671783.2	4341546.72	4.24E-01
460 ALL	671769.2	4341461.38	4.02E-01
461 ALL	671800.9	4341420.54	3.84E-01
462 ALL	671880.1	4341427.25	2.95E-01
463 ALL	672012.4	4341504.66	9.70E-02
464 ALL	672084.3	4341547.94	1.04E-01
465 ALL	671915.5	4341478.45	2.46E-01
466 ALL	671903.3	4341564.4	2.99E-01
467 ALL	671863.1	4341522.34	3.50E-01
468 ALL	671830.1	4341336.43	3.71E-01
469 ALL	671835.6	4341287.66	3.62E-01
470 ALL	671825.9	4341275.47	3.74E-01
471 ALL	672136.7	4341370.56	5.98E-02
472 ALL	671920.3	4341307.17	2.03E-01
473 ALL	671695.4	4341257.19	3.77E-01
474 ALL	671682	4341176.12	2.48E-01
475 ALL	671991.7	4341196.23	1.95E-01
476 ALL	672022.1	4341231.59	1.45E-01
477 ALL	671992.3	4341177.95	1.51E-01
478 ALL	671540.6	4341238.29	1.42E-01
479 ALL	671575.3	4341177.95	1.17E-01
480 ALL	671454.7	4341196.23	1.19E-01
481 ALL	671523.5	4341116.38	9.80E-02
482 ALL	671413.2	4341126.74	9.88E-02
483 ALL	671471.1	4341064.57	8.81E-02
484 ALL	671601.6	4341050.55	1.42E-01
485 ALL	671198.6	4341253.53	7.76E-02
486 ALL	671278.5	4341212.08	9.02E-02
487 ALL	671230.3	4341132.84	6.97E-02
488 ALL	671073.1	4341271.82	6.86E-02
489 ALL	671122.5	4341373.61	9.54E-02
490 ALL	671118.8	4341397.38	1.02E-01
491 ALL	670978.4	4341324.15	7.40E-02
492 ALL	670932.9	4341394.21	8.06E-02
493 ALL	670935.2	4341367.36	7.87E-02
494 ALL	671108	4340976.17	6.02E-02
495 ALL	671286.7	4340978.51	6.58E-02
496 ALL	671675.4	4342488.78	8.87E-02
497 ALL	671091.4	4342277.23	6.41E-01
498 ALL	671051.8	4342332.07	4.83E-01
499 ALL	671051.8	4342369.2	5.24E-01

Mitigated Chronic Risk

500 ALL	670953	4342360.76	4.63E-01
501 ALL	670695.7	4342235.89	2.55E-01
502 ALL	670545.5	4342318.58	2.01E-01
503 ALL	670711.7	4342488.16	3.04E-01
504 ALL	670648.3	4342501.73	2.49E-01
505 ALL	670648.3	4342630.87	1.35E-01
506 ALL	670806.3	4342728.41	2.48E-01
507 ALL	670688.2	4342739.41	1.25E-01
508 ALL	670804.9	4342427.55	3.15E-01
509 ALL	670439.5	4342471.51	1.78E-01
510 ALL	670358.4	4342578.67	1.61E-01
511 ALL	670546.6	4342662.47	2.27E-01
512 ALL	670537	4342595.15	2.20E-01
513 ALL	670483.5	4342776.5	2.12E-01
514 ALL	670508.2	4342754.52	2.11E-01
515 ALL	670517.8	4342868.54	2.21E-01
516 ALL	670545.3	4342850.69	1.99E-01
517 ALL	670582.4	4342878.16	2.21E-01
518 ALL	670304.9	4342688.57	1.49E-01
519 ALL	670039.7	4342661.1	1.15E-01
520 ALL	670156.5	4342673.46	1.30E-01
521 ALL	670236.2	4342648.73	1.41E-01
522 ALL	670071.3	4342738.03	1.21E-01
523 ALL	669990.2	4342753.14	1.14E-01
524 ALL	669928.4	4342742.15	1.07E-01
525 ALL	669815.8	4342673.46	1.01E-01
526 ALL	669743	4342655.6	9.78E-02
527 ALL	669791	4342744.9	9.93E-02
528 ALL	669696.3	4342731.16	9.64E-02
529 ALL	669536.9	4342552.57	7.81E-02
530 ALL	671174.9	4342280.21	7.30E-01
531 ALL	671068.4	4342169.93	9.47E-01
532 ALL	670965.7	4342179.44	5.21E-01
533 ALL	670815.5	4342198.45	3.07E-01
534 ALL	670737.6	4342097.68	2.50E-01
535 ALL	670762.3	4342069.16	2.60E-01
536 ALL	670817.4	4342040.64	2.89E-01
537 ALL	670895.4	4342025.43	3.40E-01
538 ALL	670979	4341915.15	4.26E-01
539 ALL	671115.9	4341863.81	6.95E-01
540 ALL	671199.6	4341770.65	1.16E+00
541 ALL	671222.4	4341377.07	1.40E-01
542 ALL	671714.8	4341392.28	4.71E-01
543 ALL	671366.9	4341998.81	1.12E+00
544 ALL	671226.2	4342236.48	7.60E-01
545 ALL	669098.4	4343411.59	4.17E-01
546 ALL	668908.6	4343364.56	6.17E-01
547 ALL	668851.5	4343359.52	5.76E-01
548 ALL	668831.4	4343371.27	4.89E-01
549 ALL	668733.9	4343302.41	6.45E-01

Mitigated Chronic Risk

550 ALL	668686.9	4343199.95	4.52E-01
551 ALL	668671.8	4343089.09	1.96E-01
552 ALL	668806.2	4343001.74	2.00E-01
553 ALL	668918.7	4343025.26	2.26E-01
554 ALL	669024.5	4342942.95	1.80E-01
555 ALL	669288.2	4342916.08	1.37E-01
556 ALL	669333.6	4342922.8	1.27E-01
557 ALL	669365.5	4342978.23	1.58E-01
558 ALL	669337	4343151.23	2.99E-01
559 ALL	669303.4	4343304.09	2.96E-01
560 ALL	669222.7	4343235.22	8.24E-01
561 ALL	669135.4	4343305.77	8.55E-01

Unmitigated Acute Risk

REC	GRP	X	Y	MAXHI
1	ALL	668148.8	4340781.04	3.93E-03
2	ALL	668370.1	4340781.04	3.29E-03
3	ALL	668591.4	4340781.04	3.14E-03
4	ALL	668812.7	4340781.04	3.12E-03
5	ALL	669034	4340781.04	3.24E-03
6	ALL	669255.3	4340781.04	2.01E-03
7	ALL	669476.7	4340781.04	2.30E-03
8	ALL	669698	4340781.04	1.63E-03
9	ALL	669919.3	4340781.04	1.83E-03
10	ALL	670140.6	4340781.04	1.10E-03
11	ALL	670361.9	4340781.04	1.72E-03
12	ALL	670583.2	4340781.04	1.56E-03
13	ALL	670804.5	4340781.04	8.30E-04
14	ALL	671025.8	4340781.04	9.38E-04
15	ALL	671247.1	4340781.04	7.34E-04
16	ALL	671468.4	4340781.04	7.39E-04
17	ALL	671689.8	4340781.04	9.08E-04
18	ALL	671911.1	4340781.04	9.03E-04
19	ALL	672132.4	4340781.04	6.90E-04
20	ALL	672353.7	4340781.04	1.05E-03
21	ALL	672575	4340781.04	1.64E-03
22	ALL	668148.8	4340946	7.61E-03
23	ALL	668370.1	4340946	6.33E-03
24	ALL	668591.4	4340946	5.44E-03
25	ALL	668812.7	4340946	4.60E-03
26	ALL	669034	4340946	3.07E-03
27	ALL	669255.3	4340946	2.23E-03
28	ALL	669476.7	4340946	2.41E-03
29	ALL	669698	4340946	1.79E-03
30	ALL	669919.3	4340946	1.79E-03
31	ALL	670140.6	4340946	1.48E-03
32	ALL	670361.9	4340946	2.00E-03
33	ALL	670583.2	4340946	1.46E-03
34	ALL	670804.5	4340946	1.04E-03
35	ALL	671025.8	4340946	9.03E-04
36	ALL	671247.1	4340946	6.57E-04
37	ALL	671468.4	4340946	7.24E-04
38	ALL	671689.8	4340946	1.03E-03
39	ALL	671911.1	4340946	1.12E-03
40	ALL	672132.4	4340946	7.71E-04
41	ALL	672353.7	4340946	1.60E-03
42	ALL	672575	4340946	2.23E-03
43	ALL	668148.8	4341110.96	9.61E-03
44	ALL	668370.1	4341110.96	8.91E-03
45	ALL	668591.4	4341110.96	5.93E-03
46	ALL	668812.7	4341110.96	3.98E-03
47	ALL	669034	4341110.96	3.78E-03
48	ALL	669255.3	4341110.96	3.08E-03
49	ALL	669476.7	4341110.96	2.33E-03

Unmitigated Acute Risk

50 ALL	669698	4341110.96	1.97E-03
51 ALL	669919.3	4341110.96	1.72E-03
52 ALL	670140.6	4341110.96	1.85E-03
53 ALL	670361.9	4341110.96	1.95E-03
54 ALL	670583.2	4341110.96	1.04E-03
55 ALL	670804.5	4341110.96	1.05E-03
56 ALL	671025.8	4341110.96	6.86E-04
57 ALL	671247.1	4341110.96	7.41E-04
58 ALL	671468.4	4341110.96	7.38E-04
59 ALL	671689.8	4341110.96	1.30E-03
60 ALL	671911.1	4341110.96	1.67E-03
61 ALL	672132.4	4341110.96	1.47E-03
62 ALL	672353.7	4341110.96	1.83E-03
63 ALL	672575	4341110.96	2.21E-03
64 ALL	668148.8	4341275.92	1.01E-02
65 ALL	668370.1	4341275.92	7.09E-03
66 ALL	668591.4	4341275.92	5.12E-03
67 ALL	668812.7	4341275.92	2.70E-03
68 ALL	669034	4341275.92	2.15E-03
69 ALL	669255.3	4341275.92	2.33E-03
70 ALL	669476.7	4341275.92	2.25E-03
71 ALL	669698	4341275.92	2.32E-03
72 ALL	669919.3	4341275.92	1.49E-03
73 ALL	670140.6	4341275.92	1.99E-03
74 ALL	670361.9	4341275.92	1.52E-03
75 ALL	670583.2	4341275.92	1.15E-03
76 ALL	670804.5	4341275.92	9.31E-04
77 ALL	671025.8	4341275.92	7.25E-04
78 ALL	671247.1	4341275.92	8.26E-04
79 ALL	671468.4	4341275.92	1.21E-03
80 ALL	671689.8	4341275.92	2.35E-03
81 ALL	671911.1	4341275.92	2.81E-03
82 ALL	672132.4	4341275.92	1.99E-03
83 ALL	672353.7	4341275.92	1.50E-03
84 ALL	672575	4341275.92	1.61E-03
85 ALL	668148.8	4341440.88	1.08E-02
86 ALL	668370.1	4341440.88	6.67E-03
87 ALL	668591.4	4341440.88	4.51E-03
88 ALL	668812.7	4341440.88	2.23E-03
89 ALL	669034	4341440.88	2.28E-03
90 ALL	669255.3	4341440.88	2.68E-03
91 ALL	669476.7	4341440.88	2.25E-03
92 ALL	669698	4341440.88	2.29E-03
93 ALL	669919.3	4341440.88	1.84E-03
94 ALL	670140.6	4341440.88	2.00E-03
95 ALL	670361.9	4341440.88	1.25E-03
96 ALL	670583.2	4341440.88	1.16E-03
97 ALL	670804.5	4341440.88	8.64E-04
98 ALL	671025.8	4341440.88	8.24E-04
99 ALL	671689.8	4341440.88	2.78E-03

Unmitigated Acute Risk

100 ALL	671911.1	4341440.88	3.22E-03
101 ALL	672132.4	4341440.88	1.69E-03
102 ALL	672353.7	4341440.88	1.12E-03
103 ALL	672575	4341440.88	1.10E-03
104 ALL	668148.8	4341605.84	5.36E-03
105 ALL	668370.1	4341605.84	3.79E-03
106 ALL	668591.4	4341605.84	2.99E-03
107 ALL	668812.7	4341605.84	2.52E-03
108 ALL	669034	4341605.84	2.79E-03
109 ALL	669255.3	4341605.84	2.75E-03
110 ALL	669476.7	4341605.84	2.37E-03
111 ALL	669698	4341605.84	2.16E-03
112 ALL	669919.3	4341605.84	2.16E-03
113 ALL	670140.6	4341605.84	1.82E-03
114 ALL	670361.9	4341605.84	1.41E-03
115 ALL	670583.2	4341605.84	9.65E-04
116 ALL	670804.5	4341605.84	1.08E-03
117 ALL	671025.8	4341605.84	1.02E-03
118 ALL	671689.8	4341605.84	3.40E-03
119 ALL	671911.1	4341605.84	2.63E-03
120 ALL	672132.4	4341605.84	1.39E-03
121 ALL	672353.7	4341605.84	1.47E-03
122 ALL	672575	4341605.84	1.35E-03
123 ALL	668148.8	4341770.8	1.01E-02
124 ALL	668370.1	4341770.8	3.52E-03
125 ALL	668591.4	4341770.8	4.39E-03
126 ALL	668812.7	4341770.8	3.71E-03
127 ALL	669034	4341770.8	2.90E-03
128 ALL	669255.3	4341770.8	2.47E-03
129 ALL	669476.7	4341770.8	2.38E-03
130 ALL	669698	4341770.8	1.93E-03
131 ALL	669919.3	4341770.8	2.30E-03
132 ALL	670140.6	4341770.8	1.60E-03
133 ALL	670361.9	4341770.8	1.27E-03
134 ALL	670583.2	4341770.8	1.07E-03
135 ALL	670804.5	4341770.8	1.67E-03
136 ALL	671025.8	4341770.8	3.25E-03
137 ALL	671689.8	4341770.8	2.91E-03
138 ALL	671911.1	4341770.8	2.12E-03
139 ALL	672132.4	4341770.8	1.54E-03
140 ALL	672353.7	4341770.8	1.30E-03
141 ALL	672575	4341770.8	1.28E-03
142 ALL	668148.8	4341935.76	1.39E-02
143 ALL	668370.1	4341935.76	1.17E-02
144 ALL	668591.4	4341935.76	4.93E-03
145 ALL	668812.7	4341935.76	3.06E-03
146 ALL	669034	4341935.76	2.68E-03
147 ALL	669255.3	4341935.76	2.67E-03
148 ALL	669476.7	4341935.76	2.40E-03
149 ALL	669698	4341935.76	2.17E-03

Unmitigated Acute Risk

150 ALL	669919.3	4341935.76	1.94E-03
151 ALL	670140.6	4341935.76	1.66E-03
152 ALL	670361.9	4341935.76	1.05E-03
153 ALL	670583.2	4341935.76	1.61E-03
154 ALL	670804.5	4341935.76	3.32E-03
155 ALL	671468.4	4341935.76	2.98E-03
156 ALL	671689.8	4341935.76	2.31E-03
157 ALL	671911.1	4341935.76	2.15E-03
158 ALL	672132.4	4341935.76	1.37E-03
159 ALL	672353.7	4341935.76	1.15E-03
160 ALL	672575	4341935.76	1.43E-03
161 ALL	668148.8	4342100.72	1.60E-02
162 ALL	668370.1	4342100.72	6.55E-03
163 ALL	668591.4	4342100.72	3.76E-03
164 ALL	668812.7	4342100.72	3.00E-03
165 ALL	669034	4342100.72	2.76E-03
166 ALL	669255.3	4342100.72	3.04E-03
167 ALL	669476.7	4342100.72	2.55E-03
168 ALL	669698	4342100.72	2.66E-03
169 ALL	669919.3	4342100.72	2.22E-03
170 ALL	670140.6	4342100.72	1.46E-03
171 ALL	670361.9	4342100.72	1.97E-03
172 ALL	670583.2	4342100.72	3.97E-03
173 ALL	671468.4	4342100.72	2.32E-03
174 ALL	671689.8	4342100.72	1.89E-03
175 ALL	671911.1	4342100.72	1.82E-03
176 ALL	672132.4	4342100.72	1.43E-03
177 ALL	672353.7	4342100.72	1.01E-03
178 ALL	672575	4342100.72	1.12E-03
179 ALL	668148.8	4342265.68	1.64E-02
180 ALL	668370.1	4342265.68	6.48E-03
181 ALL	668591.4	4342265.68	1.07E-02
182 ALL	668812.7	4342265.68	7.49E-03
183 ALL	669034	4342265.68	6.44E-03
184 ALL	669255.3	4342265.68	4.03E-03
185 ALL	669476.7	4342265.68	3.29E-03
186 ALL	669698	4342265.68	2.93E-03
187 ALL	669919.3	4342265.68	2.17E-03
188 ALL	670140.6	4342265.68	2.21E-03
189 ALL	670361.9	4342265.68	4.57E-03
190 ALL	670583.2	4342265.68	4.71E-03
191 ALL	670804.5	4342265.68	3.10E-03
192 ALL	671025.8	4342265.68	4.00E-03
193 ALL	671247.1	4342265.68	3.99E-03
194 ALL	671468.4	4342265.68	2.14E-03
195 ALL	671689.8	4342265.68	1.78E-03
196 ALL	671911.1	4342265.68	1.43E-03
197 ALL	672132.4	4342265.68	1.16E-03
198 ALL	672353.7	4342265.68	8.73E-04
199 ALL	672575	4342265.68	6.81E-04

Unmitigated Acute Risk

200 ALL	668148.8	4342430.64	1.86E-02
201 ALL	668370.1	4342430.64	1.96E-02
202 ALL	668591.4	4342430.64	2.16E-02
203 ALL	668812.7	4342430.64	2.25E-02
204 ALL	669034	4342430.64	2.50E-02
205 ALL	669255.3	4342430.64	2.00E-02
206 ALL	669476.7	4342430.64	6.38E-03
207 ALL	669698	4342430.64	3.90E-03
208 ALL	669919.3	4342430.64	3.96E-03
209 ALL	670140.6	4342430.64	6.17E-03
210 ALL	670361.9	4342430.64	5.17E-03
211 ALL	670583.2	4342430.64	3.05E-03
212 ALL	670804.5	4342430.64	3.14E-03
213 ALL	671025.8	4342430.64	3.56E-03
214 ALL	671247.1	4342430.64	2.15E-03
215 ALL	671468.4	4342430.64	1.52E-03
216 ALL	671689.8	4342430.64	1.06E-03
217 ALL	671911.1	4342430.64	9.70E-04
218 ALL	672132.4	4342430.64	1.08E-03
219 ALL	672353.7	4342430.64	9.76E-04
220 ALL	672575	4342430.64	7.93E-04
221 ALL	668148.8	4342595.6	2.15E-02
222 ALL	668370.1	4342595.6	2.34E-02
223 ALL	668591.4	4342595.6	2.50E-02
224 ALL	668812.7	4342595.6	2.72E-02
225 ALL	669034	4342595.6	3.10E-02
226 ALL	669255.3	4342595.6	2.24E-02
227 ALL	669476.7	4342595.6	9.26E-03
228 ALL	669698	4342595.6	6.09E-03
229 ALL	669919.3	4342595.6	8.35E-03
230 ALL	670140.6	4342595.6	5.24E-03
231 ALL	670361.9	4342595.6	3.48E-03
232 ALL	670583.2	4342595.6	2.87E-03
233 ALL	670804.5	4342595.6	2.94E-03
234 ALL	671025.8	4342595.6	2.89E-03
235 ALL	671247.1	4342595.6	1.92E-03
236 ALL	671468.4	4342595.6	1.25E-03
237 ALL	671689.8	4342595.6	1.10E-03
238 ALL	671911.1	4342595.6	1.00E-03
239 ALL	672132.4	4342595.6	1.01E-03
240 ALL	672353.7	4342595.6	1.03E-03
241 ALL	672575	4342595.6	7.44E-04
242 ALL	668148.8	4342760.56	2.90E-02
243 ALL	668370.1	4342760.56	2.79E-02
244 ALL	668591.4	4342760.56	3.21E-02
245 ALL	668812.7	4342760.56	3.08E-02
246 ALL	669034	4342760.56	1.27E-02
247 ALL	669255.3	4342760.56	8.92E-03
248 ALL	669476.7	4342760.56	1.08E-02
249 ALL	669698	4342760.56	7.13E-03

Unmitigated Acute Risk

250 ALL	669919.3	4342760.56	4.78E-03
251 ALL	670140.6	4342760.56	3.42E-03
252 ALL	670361.9	4342760.56	2.87E-03
253 ALL	670583.2	4342760.56	2.18E-03
254 ALL	670804.5	4342760.56	2.63E-03
255 ALL	671025.8	4342760.56	2.27E-03
256 ALL	671247.1	4342760.56	1.47E-03
257 ALL	671468.4	4342760.56	1.14E-03
258 ALL	671689.8	4342760.56	9.38E-04
259 ALL	671911.1	4342760.56	7.85E-04
260 ALL	672132.4	4342760.56	8.06E-04
261 ALL	672353.7	4342760.56	1.01E-03
262 ALL	672575	4342760.56	9.09E-04
263 ALL	668148.8	4342925.52	3.45E-02
264 ALL	668370.1	4342925.52	3.90E-02
265 ALL	668591.4	4342925.52	2.17E-02
266 ALL	668812.7	4342925.52	2.54E-02
267 ALL	669034	4342925.52	1.79E-02
268 ALL	669476.7	4342925.52	1.45E-02
269 ALL	669698	4342925.52	4.91E-03
270 ALL	669919.3	4342925.52	3.49E-03
271 ALL	670140.6	4342925.52	3.07E-03
272 ALL	670361.9	4342925.52	2.64E-03
273 ALL	670583.2	4342925.52	2.37E-03
274 ALL	670804.5	4342925.52	2.47E-03
275 ALL	671025.8	4342925.52	1.47E-03
276 ALL	671247.1	4342925.52	1.34E-03
277 ALL	671468.4	4342925.52	1.12E-03
278 ALL	671689.8	4342925.52	9.95E-04
279 ALL	671911.1	4342925.52	8.84E-04
280 ALL	672132.4	4342925.52	8.08E-04
281 ALL	672353.7	4342925.52	1.14E-03
282 ALL	672575	4342925.52	1.47E-03
283 ALL	668148.8	4343090.48	3.29E-02
284 ALL	668370.1	4343090.48	4.54E-02
285 ALL	668591.4	4343090.48	3.03E-02
286 ALL	669476.7	4343090.48	1.78E-02
287 ALL	669698	4343090.48	1.00E-02
288 ALL	669919.3	4343090.48	6.44E-03
289 ALL	670140.6	4343090.48	4.80E-03
290 ALL	670361.9	4343090.48	5.31E-03
291 ALL	670583.2	4343090.48	5.71E-03
292 ALL	670804.5	4343090.48	4.17E-03
293 ALL	671025.8	4343090.48	2.64E-03
294 ALL	671247.1	4343090.48	2.51E-03
295 ALL	671468.4	4343090.48	2.17E-03
296 ALL	671689.8	4343090.48	1.98E-03
297 ALL	671911.1	4343090.48	1.83E-03
298 ALL	672132.4	4343090.48	1.73E-03
299 ALL	672353.7	4343090.48	1.59E-03

Unmitigated Acute Risk

300 ALL	672575	4343090.48	1.77E-03
301 ALL	668148.8	4343255.44	3.39E-02
302 ALL	668370.1	4343255.44	4.76E-02
303 ALL	668591.4	4343255.44	7.21E-02
304 ALL	669476.7	4343255.44	1.02E-02
305 ALL	669698	4343255.44	8.30E-03
306 ALL	669919.3	4343255.44	6.14E-03
307 ALL	670140.6	4343255.44	5.34E-03
308 ALL	670361.9	4343255.44	5.38E-03
309 ALL	670583.2	4343255.44	5.34E-03
310 ALL	670804.5	4343255.44	3.91E-03
311 ALL	671025.8	4343255.44	2.14E-03
312 ALL	671247.1	4343255.44	1.96E-03
313 ALL	671468.4	4343255.44	1.80E-03
314 ALL	671689.8	4343255.44	1.58E-03
315 ALL	671911.1	4343255.44	1.46E-03
316 ALL	672132.4	4343255.44	1.40E-03
317 ALL	672353.7	4343255.44	1.34E-03
318 ALL	672575	4343255.44	1.23E-03
319 ALL	668148.8	4343420.4	3.58E-02
320 ALL	668370.1	4343420.4	4.29E-02
321 ALL	668591.4	4343420.4	5.60E-02
322 ALL	668812.7	4343420.4	6.34E-02
323 ALL	669034	4343420.4	6.98E-02
324 ALL	669255.3	4343420.4	3.78E-02
325 ALL	669476.7	4343420.4	2.10E-02
326 ALL	669698	4343420.4	7.71E-03
327 ALL	669919.3	4343420.4	6.50E-03
328 ALL	670140.6	4343420.4	7.58E-03
329 ALL	670361.9	4343420.4	4.95E-03
330 ALL	670583.2	4343420.4	4.69E-03
331 ALL	670804.5	4343420.4	3.34E-03
332 ALL	671025.8	4343420.4	2.54E-03
333 ALL	671247.1	4343420.4	1.94E-03
334 ALL	671468.4	4343420.4	1.42E-03
335 ALL	671689.8	4343420.4	1.18E-03
336 ALL	671911.1	4343420.4	9.50E-04
337 ALL	672132.4	4343420.4	7.78E-04
338 ALL	672353.7	4343420.4	6.34E-04
339 ALL	672575	4343420.4	5.58E-04
340 ALL	668148.8	4343585.36	1.59E-02
341 ALL	668370.1	4343585.36	1.87E-02
342 ALL	668591.4	4343585.36	4.18E-02
343 ALL	668812.7	4343585.36	2.77E-02
344 ALL	669034	4343585.36	1.27E-02
345 ALL	669255.3	4343585.36	1.19E-02
346 ALL	669476.7	4343585.36	1.08E-02
347 ALL	669698	4343585.36	1.10E-02
348 ALL	669919.3	4343585.36	1.27E-02
349 ALL	670140.6	4343585.36	1.18E-02

Unmitigated Acute Risk

350 ALL	670361.9	4343585.36	9.23E-03
351 ALL	670583.2	4343585.36	5.71E-03
352 ALL	670804.5	4343585.36	2.56E-03
353 ALL	671025.8	4343585.36	2.12E-03
354 ALL	671247.1	4343585.36	1.57E-03
355 ALL	671468.4	4343585.36	1.41E-03
356 ALL	671689.8	4343585.36	1.38E-03
357 ALL	671911.1	4343585.36	1.24E-03
358 ALL	672132.4	4343585.36	1.17E-03
359 ALL	672353.7	4343585.36	1.05E-03
360 ALL	672575	4343585.36	9.62E-04
361 ALL	668148.8	4343750.32	1.77E-02
362 ALL	668370.1	4343750.32	8.96E-03
363 ALL	668591.4	4343750.32	1.08E-02
364 ALL	668812.7	4343750.32	1.37E-02
365 ALL	669034	4343750.32	6.11E-03
366 ALL	669255.3	4343750.32	5.61E-03
367 ALL	669476.7	4343750.32	8.49E-03
368 ALL	669698	4343750.32	7.32E-03
369 ALL	669919.3	4343750.32	6.74E-03
370 ALL	670140.6	4343750.32	7.35E-03
371 ALL	670361.9	4343750.32	7.42E-03
372 ALL	670583.2	4343750.32	8.03E-03
373 ALL	670804.5	4343750.32	6.40E-03
374 ALL	671025.8	4343750.32	3.83E-03
375 ALL	671247.1	4343750.32	1.44E-03
376 ALL	671468.4	4343750.32	9.69E-04
377 ALL	671689.8	4343750.32	1.18E-03
378 ALL	671911.1	4343750.32	1.00E-03
379 ALL	672132.4	4343750.32	8.67E-04
380 ALL	672353.7	4343750.32	8.35E-04
381 ALL	672575	4343750.32	8.92E-04
382 ALL	668148.8	4343915.28	2.39E-02
383 ALL	668370.1	4343915.28	8.84E-03
384 ALL	668591.4	4343915.28	6.70E-03
385 ALL	668812.7	4343915.28	6.94E-03
386 ALL	669034	4343915.28	4.89E-03
387 ALL	669255.3	4343915.28	3.94E-03
388 ALL	669476.7	4343915.28	5.05E-03
389 ALL	669698	4343915.28	6.53E-03
390 ALL	669919.3	4343915.28	5.90E-03
391 ALL	670140.6	4343915.28	5.08E-03
392 ALL	670361.9	4343915.28	5.19E-03
393 ALL	670583.2	4343915.28	4.75E-03
394 ALL	670804.5	4343915.28	5.44E-03
395 ALL	671025.8	4343915.28	4.05E-03
396 ALL	671247.1	4343915.28	4.44E-03
397 ALL	671468.4	4343915.28	1.99E-03
398 ALL	671689.8	4343915.28	1.14E-03
399 ALL	671911.1	4343915.28	6.20E-04

Unmitigated Acute Risk

400 ALL	672132.4	4343915.28	6.22E-04
401 ALL	672353.7	4343915.28	5.84E-04
402 ALL	672575	4343915.28	5.50E-04
403 ALL	668148.8	4344080.24	1.64E-02
404 ALL	668370.1	4344080.24	1.10E-02
405 ALL	668591.4	4344080.24	5.82E-03
406 ALL	668812.7	4344080.24	4.92E-03
407 ALL	669034	4344080.24	4.06E-03
408 ALL	669255.3	4344080.24	2.87E-03
409 ALL	669476.7	4344080.24	5.82E-03
410 ALL	669698	4344080.24	6.60E-03
411 ALL	669919.3	4344080.24	4.43E-03
412 ALL	670140.6	4344080.24	4.11E-03
413 ALL	670361.9	4344080.24	3.97E-03
414 ALL	670583.2	4344080.24	4.26E-03
415 ALL	670804.5	4344080.24	3.27E-03
416 ALL	671025.8	4344080.24	2.18E-03
417 ALL	671247.1	4344080.24	3.60E-03
418 ALL	671468.4	4344080.24	3.47E-03
419 ALL	671689.8	4344080.24	1.59E-03
420 ALL	671911.1	4344080.24	6.93E-04
421 ALL	672132.4	4344080.24	4.20E-04
422 ALL	672353.7	4344080.24	3.98E-04
423 ALL	672575	4344080.24	4.30E-04
424 ALL	671464.7	4342094.27	2.37E-03
425 ALL	671482.2	4342063.91	2.42E-03
426 ALL	671498.6	4342030.05	2.41E-03
427 ALL	671513.8	4341991.52	2.43E-03
428 ALL	671541.8	4341964.66	2.36E-03
429 ALL	671575.6	4341974	2.21E-03
430 ALL	671460.8	4342162.97	2.16E-03
431 ALL	671451	4342187.35	2.12E-03
432 ALL	671510.7	4342219.66	1.98E-03
433 ALL	671524.1	4342192.84	1.91E-03
434 ALL	671522.9	4342250.74	2.01E-03
435 ALL	671599.1	4342252.57	1.88E-03
436 ALL	671627.8	4342256.84	1.85E-03
437 ALL	671583.9	4342116.03	1.85E-03
438 ALL	671595.5	4342071.54	1.91E-03
439 ALL	671663.1	4342056.3	1.96E-03
440 ALL	671600.9	4342030.09	2.03E-03
441 ALL	671526.6	4342155.65	1.93E-03
442 ALL	671629	4342292.19	1.82E-03
443 ALL	671641.8	4341980.71	2.13E-03
444 ALL	671666.8	4342018.51	2.07E-03
445 ALL	671407.1	4342219.66	2.24E-03
446 ALL	671415.6	4342183.08	2.34E-03
447 ALL	671635.1	4341706.42	4.29E-03
448 ALL	671693.6	4341710.08	3.35E-03
449 ALL	671719.8	4341736.29	2.92E-03

Unmitigated Acute Risk

450 ALL	671673.5	4341630.23	3.66E-03
451 ALL	671888	4341936.22	2.21E-03
452 ALL	671977.6	4341952.07	1.91E-03
453 ALL	672039.2	4341894.77	1.74E-03
454 ALL	671858.2	4341753.96	1.90E-03
455 ALL	671922.8	4341634.49	2.39E-03
456 ALL	671613.7	4341791.15	3.35E-03
457 ALL	671853.3	4341730.8	1.96E-03
458 ALL	671783.8	4341585.73	2.99E-03
459 ALL	671783.2	4341546.72	3.09E-03
460 ALL	671769.2	4341461.38	3.04E-03
461 ALL	671800.9	4341420.54	2.97E-03
462 ALL	671880.1	4341427.25	3.41E-03
463 ALL	672012.4	4341504.66	2.04E-03
464 ALL	672084.3	4341547.94	1.67E-03
465 ALL	671915.5	4341478.45	3.13E-03
466 ALL	671903.3	4341564.4	2.90E-03
467 ALL	671863.1	4341522.34	3.33E-03
468 ALL	671830.1	4341336.43	2.90E-03
469 ALL	671835.6	4341287.66	2.74E-03
470 ALL	671825.9	4341275.47	2.65E-03
471 ALL	672136.7	4341370.56	1.82E-03
472 ALL	671920.3	4341307.17	2.87E-03
473 ALL	671695.4	4341257.19	2.19E-03
474 ALL	671682	4341176.12	1.40E-03
475 ALL	671991.7	4341196.23	2.41E-03
476 ALL	672022.1	4341231.59	2.51E-03
477 ALL	671992.3	4341177.95	2.16E-03
478 ALL	671540.6	4341238.29	9.15E-04
479 ALL	671575.3	4341177.95	8.42E-04
480 ALL	671454.7	4341196.23	8.41E-04
481 ALL	671523.5	4341116.38	7.69E-04
482 ALL	671413.2	4341126.74	7.80E-04
483 ALL	671471.1	4341064.57	7.37E-04
484 ALL	671601.6	4341050.55	9.66E-04
485 ALL	671198.6	4341253.53	7.66E-04
486 ALL	671278.5	4341212.08	8.02E-04
487 ALL	671230.3	4341132.84	7.29E-04
488 ALL	671073.1	4341271.82	7.30E-04
489 ALL	671122.5	4341373.61	8.15E-04
490 ALL	671118.8	4341397.38	8.27E-04
491 ALL	670978.4	4341324.15	7.54E-04
492 ALL	670932.9	4341394.21	8.17E-04
493 ALL	670935.2	4341367.36	7.95E-04
494 ALL	671108	4340976.17	7.24E-04
495 ALL	671286.7	4340978.51	6.75E-04
496 ALL	671675.4	4342488.78	1.01E-03
497 ALL	671091.4	4342277.23	4.48E-03
498 ALL	671051.8	4342332.07	3.92E-03
499 ALL	671051.8	4342369.2	3.95E-03

Unmitigated Acute Risk

500 ALL	670953	4342360.76	3.70E-03
501 ALL	670695.7	4342235.89	4.02E-03
502 ALL	670545.5	4342318.58	4.47E-03
503 ALL	670711.7	4342488.16	3.23E-03
504 ALL	670648.3	4342501.73	3.12E-03
505 ALL	670648.3	4342630.87	2.30E-03
506 ALL	670806.3	4342728.41	2.45E-03
507 ALL	670688.2	4342739.41	1.90E-03
508 ALL	670804.9	4342427.55	3.14E-03
509 ALL	670439.5	4342471.51	3.36E-03
510 ALL	670358.4	4342578.67	3.54E-03
511 ALL	670546.6	4342662.47	2.88E-03
512 ALL	670537	4342595.15	3.05E-03
513 ALL	670483.5	4342776.5	2.38E-03
514 ALL	670508.2	4342754.52	2.33E-03
515 ALL	670517.8	4342868.54	2.58E-03
516 ALL	670545.3	4342850.69	2.49E-03
517 ALL	670582.4	4342878.16	2.50E-03
518 ALL	670304.9	4342688.57	3.21E-03
519 ALL	670039.7	4342661.1	5.55E-03
520 ALL	670156.5	4342673.46	3.96E-03
521 ALL	670236.2	4342648.73	3.69E-03
522 ALL	670071.3	4342738.03	3.92E-03
523 ALL	669990.2	4342753.14	4.37E-03
524 ALL	669928.4	4342742.15	5.11E-03
525 ALL	669815.8	4342673.46	7.79E-03
526 ALL	669743	4342655.6	7.30E-03
527 ALL	669791	4342744.9	6.67E-03
528 ALL	669696.3	4342731.16	7.30E-03
529 ALL	669536.9	4342552.57	7.95E-03
530 ALL	671174.9	4342280.21	4.47E-03
531 ALL	671068.4	4342169.93	3.92E-03
532 ALL	670965.7	4342179.44	3.13E-03
533 ALL	670815.5	4342198.45	3.85E-03
534 ALL	670737.6	4342097.68	4.52E-03
535 ALL	670762.3	4342069.16	4.43E-03
536 ALL	670817.4	4342040.64	4.37E-03
537 ALL	670895.4	4342025.43	4.39E-03
538 ALL	670979	4341915.15	4.07E-03
539 ALL	671115.9	4341863.81	4.34E-03
540 ALL	671199.6	4341770.65	4.38E-03
541 ALL	671222.4	4341377.07	1.00E-03
542 ALL	671714.8	4341392.28	2.67E-03
543 ALL	671366.9	4341998.81	5.38E-03
544 ALL	671226.2	4342236.48	4.41E-03
545 ALL	669098.4	4343411.59	7.13E-02
546 ALL	668908.6	4343364.56	8.74E-02
547 ALL	668851.5	4343359.52	8.64E-02
548 ALL	668831.4	4343371.27	7.94E-02
549 ALL	668733.9	4343302.41	1.17E-01

Unmitigated Acute Risk

550 ALL	668686.9	4343199.95	7.80E-02
551 ALL	668671.8	4343089.09	5.30E-02
552 ALL	668806.2	4343001.74	4.53E-02
553 ALL	668918.7	4343025.26	2.62E-02
554 ALL	669024.5	4342942.95	2.14E-02
555 ALL	669288.2	4342916.08	1.92E-02
556 ALL	669333.6	4342922.8	2.10E-02
557 ALL	669365.5	4342978.23	2.22E-02
558 ALL	669337	4343151.23	2.75E-02
559 ALL	669303.4	4343304.09	2.36E-02
560 ALL	669222.7	4343235.22	3.28E-02
561 ALL	669135.4	4343305.77	7.38E-02

Mitigated Acute Risk

REC	GRP	X	Y	MAXHI
1	ALL	668148.8	4340781.04	3.93E-03
2	ALL	668370.1	4340781.04	3.29E-03
3	ALL	668591.4	4340781.04	3.14E-03
4	ALL	668812.7	4340781.04	3.12E-03
5	ALL	669034	4340781.04	3.24E-03
6	ALL	669255.3	4340781.04	2.01E-03
7	ALL	669476.7	4340781.04	2.30E-03
8	ALL	669698	4340781.04	1.63E-03
9	ALL	669919.3	4340781.04	1.83E-03
10	ALL	670140.6	4340781.04	1.10E-03
11	ALL	670361.9	4340781.04	1.72E-03
12	ALL	670583.2	4340781.04	1.56E-03
13	ALL	670804.5	4340781.04	8.30E-04
14	ALL	671025.8	4340781.04	9.38E-04
15	ALL	671247.1	4340781.04	7.34E-04
16	ALL	671468.4	4340781.04	7.39E-04
17	ALL	671689.8	4340781.04	9.08E-04
18	ALL	671911.1	4340781.04	9.03E-04
19	ALL	672132.4	4340781.04	6.90E-04
20	ALL	672353.7	4340781.04	1.05E-03
21	ALL	672575	4340781.04	1.64E-03
22	ALL	668148.8	4340946	7.61E-03
23	ALL	668370.1	4340946	6.33E-03
24	ALL	668591.4	4340946	5.44E-03
25	ALL	668812.7	4340946	4.60E-03
26	ALL	669034	4340946	3.07E-03
27	ALL	669255.3	4340946	2.23E-03
28	ALL	669476.7	4340946	2.41E-03
29	ALL	669698	4340946	1.79E-03
30	ALL	669919.3	4340946	1.79E-03
31	ALL	670140.6	4340946	1.48E-03
32	ALL	670361.9	4340946	2.00E-03
33	ALL	670583.2	4340946	1.46E-03
34	ALL	670804.5	4340946	1.04E-03
35	ALL	671025.8	4340946	9.03E-04
36	ALL	671247.1	4340946	6.57E-04
37	ALL	671468.4	4340946	7.24E-04
38	ALL	671689.8	4340946	1.03E-03
39	ALL	671911.1	4340946	1.12E-03
40	ALL	672132.4	4340946	7.71E-04
41	ALL	672353.7	4340946	1.60E-03
42	ALL	672575	4340946	2.23E-03
43	ALL	668148.8	4341110.96	9.61E-03
44	ALL	668370.1	4341110.96	8.91E-03
45	ALL	668591.4	4341110.96	5.93E-03
46	ALL	668812.7	4341110.96	3.98E-03
47	ALL	669034	4341110.96	3.78E-03
48	ALL	669255.3	4341110.96	3.08E-03
49	ALL	669476.7	4341110.96	2.33E-03

Mitigated Acute Risk

50 ALL	669698	4341110.96	1.97E-03
51 ALL	669919.3	4341110.96	1.72E-03
52 ALL	670140.6	4341110.96	1.85E-03
53 ALL	670361.9	4341110.96	1.95E-03
54 ALL	670583.2	4341110.96	1.04E-03
55 ALL	670804.5	4341110.96	1.05E-03
56 ALL	671025.8	4341110.96	6.86E-04
57 ALL	671247.1	4341110.96	7.41E-04
58 ALL	671468.4	4341110.96	7.38E-04
59 ALL	671689.8	4341110.96	1.30E-03
60 ALL	671911.1	4341110.96	1.67E-03
61 ALL	672132.4	4341110.96	1.47E-03
62 ALL	672353.7	4341110.96	1.83E-03
63 ALL	672575	4341110.96	2.21E-03
64 ALL	668148.8	4341275.92	1.01E-02
65 ALL	668370.1	4341275.92	7.09E-03
66 ALL	668591.4	4341275.92	5.12E-03
67 ALL	668812.7	4341275.92	2.70E-03
68 ALL	669034	4341275.92	2.15E-03
69 ALL	669255.3	4341275.92	2.33E-03
70 ALL	669476.7	4341275.92	2.25E-03
71 ALL	669698	4341275.92	2.32E-03
72 ALL	669919.3	4341275.92	1.49E-03
73 ALL	670140.6	4341275.92	1.99E-03
74 ALL	670361.9	4341275.92	1.52E-03
75 ALL	670583.2	4341275.92	1.15E-03
76 ALL	670804.5	4341275.92	9.31E-04
77 ALL	671025.8	4341275.92	7.25E-04
78 ALL	671247.1	4341275.92	8.26E-04
79 ALL	671468.4	4341275.92	1.21E-03
80 ALL	671689.8	4341275.92	2.35E-03
81 ALL	671911.1	4341275.92	2.81E-03
82 ALL	672132.4	4341275.92	1.99E-03
83 ALL	672353.7	4341275.92	1.50E-03
84 ALL	672575	4341275.92	1.61E-03
85 ALL	668148.8	4341440.88	1.08E-02
86 ALL	668370.1	4341440.88	6.67E-03
87 ALL	668591.4	4341440.88	4.51E-03
88 ALL	668812.7	4341440.88	2.23E-03
89 ALL	669034	4341440.88	2.28E-03
90 ALL	669255.3	4341440.88	2.68E-03
91 ALL	669476.7	4341440.88	2.25E-03
92 ALL	669698	4341440.88	2.29E-03
93 ALL	669919.3	4341440.88	1.84E-03
94 ALL	670140.6	4341440.88	2.00E-03
95 ALL	670361.9	4341440.88	1.25E-03
96 ALL	670583.2	4341440.88	1.16E-03
97 ALL	670804.5	4341440.88	8.64E-04
98 ALL	671025.8	4341440.88	8.24E-04
99 ALL	671689.8	4341440.88	2.78E-03

Mitigated Acute Risk

100 ALL	671911.1	4341440.88	3.22E-03
101 ALL	672132.4	4341440.88	1.69E-03
102 ALL	672353.7	4341440.88	1.12E-03
103 ALL	672575	4341440.88	1.10E-03
104 ALL	668148.8	4341605.84	5.36E-03
105 ALL	668370.1	4341605.84	3.79E-03
106 ALL	668591.4	4341605.84	2.99E-03
107 ALL	668812.7	4341605.84	2.52E-03
108 ALL	669034	4341605.84	2.79E-03
109 ALL	669255.3	4341605.84	2.75E-03
110 ALL	669476.7	4341605.84	2.37E-03
111 ALL	669698	4341605.84	2.16E-03
112 ALL	669919.3	4341605.84	2.16E-03
113 ALL	670140.6	4341605.84	1.82E-03
114 ALL	670361.9	4341605.84	1.41E-03
115 ALL	670583.2	4341605.84	9.65E-04
116 ALL	670804.5	4341605.84	1.08E-03
117 ALL	671025.8	4341605.84	1.02E-03
118 ALL	671689.8	4341605.84	3.40E-03
119 ALL	671911.1	4341605.84	2.63E-03
120 ALL	672132.4	4341605.84	1.39E-03
121 ALL	672353.7	4341605.84	1.47E-03
122 ALL	672575	4341605.84	1.35E-03
123 ALL	668148.8	4341770.8	1.01E-02
124 ALL	668370.1	4341770.8	3.52E-03
125 ALL	668591.4	4341770.8	4.39E-03
126 ALL	668812.7	4341770.8	3.71E-03
127 ALL	669034	4341770.8	2.90E-03
128 ALL	669255.3	4341770.8	2.47E-03
129 ALL	669476.7	4341770.8	2.38E-03
130 ALL	669698	4341770.8	1.93E-03
131 ALL	669919.3	4341770.8	2.30E-03
132 ALL	670140.6	4341770.8	1.60E-03
133 ALL	670361.9	4341770.8	1.27E-03
134 ALL	670583.2	4341770.8	1.07E-03
135 ALL	670804.5	4341770.8	1.67E-03
136 ALL	671025.8	4341770.8	3.25E-03
137 ALL	671689.8	4341770.8	2.91E-03
138 ALL	671911.1	4341770.8	2.12E-03
139 ALL	672132.4	4341770.8	1.54E-03
140 ALL	672353.7	4341770.8	1.30E-03
141 ALL	672575	4341770.8	1.28E-03
142 ALL	668148.8	4341935.76	1.39E-02
143 ALL	668370.1	4341935.76	1.17E-02
144 ALL	668591.4	4341935.76	4.93E-03
145 ALL	668812.7	4341935.76	3.06E-03
146 ALL	669034	4341935.76	2.68E-03
147 ALL	669255.3	4341935.76	2.67E-03
148 ALL	669476.7	4341935.76	2.40E-03
149 ALL	669698	4341935.76	2.17E-03

Mitigated Acute Risk

150 ALL	669919.3	4341935.76	1.94E-03
151 ALL	670140.6	4341935.76	1.66E-03
152 ALL	670361.9	4341935.76	1.05E-03
153 ALL	670583.2	4341935.76	1.61E-03
154 ALL	670804.5	4341935.76	3.32E-03
155 ALL	671468.4	4341935.76	2.98E-03
156 ALL	671689.8	4341935.76	2.31E-03
157 ALL	671911.1	4341935.76	2.15E-03
158 ALL	672132.4	4341935.76	1.37E-03
159 ALL	672353.7	4341935.76	1.15E-03
160 ALL	672575	4341935.76	1.43E-03
161 ALL	668148.8	4342100.72	1.60E-02
162 ALL	668370.1	4342100.72	6.55E-03
163 ALL	668591.4	4342100.72	3.76E-03
164 ALL	668812.7	4342100.72	3.00E-03
165 ALL	669034	4342100.72	2.76E-03
166 ALL	669255.3	4342100.72	3.04E-03
167 ALL	669476.7	4342100.72	2.55E-03
168 ALL	669698	4342100.72	2.66E-03
169 ALL	669919.3	4342100.72	2.22E-03
170 ALL	670140.6	4342100.72	1.46E-03
171 ALL	670361.9	4342100.72	1.97E-03
172 ALL	670583.2	4342100.72	3.97E-03
173 ALL	671468.4	4342100.72	2.32E-03
174 ALL	671689.8	4342100.72	1.89E-03
175 ALL	671911.1	4342100.72	1.82E-03
176 ALL	672132.4	4342100.72	1.43E-03
177 ALL	672353.7	4342100.72	1.01E-03
178 ALL	672575	4342100.72	1.12E-03
179 ALL	668148.8	4342265.68	1.64E-02
180 ALL	668370.1	4342265.68	6.48E-03
181 ALL	668591.4	4342265.68	1.07E-02
182 ALL	668812.7	4342265.68	7.49E-03
183 ALL	669034	4342265.68	6.44E-03
184 ALL	669255.3	4342265.68	4.03E-03
185 ALL	669476.7	4342265.68	3.29E-03
186 ALL	669698	4342265.68	2.93E-03
187 ALL	669919.3	4342265.68	2.17E-03
188 ALL	670140.6	4342265.68	2.21E-03
189 ALL	670361.9	4342265.68	4.57E-03
190 ALL	670583.2	4342265.68	4.71E-03
191 ALL	670804.5	4342265.68	3.10E-03
192 ALL	671025.8	4342265.68	4.00E-03
193 ALL	671247.1	4342265.68	3.99E-03
194 ALL	671468.4	4342265.68	2.14E-03
195 ALL	671689.8	4342265.68	1.78E-03
196 ALL	671911.1	4342265.68	1.43E-03
197 ALL	672132.4	4342265.68	1.16E-03
198 ALL	672353.7	4342265.68	8.73E-04
199 ALL	672575	4342265.68	6.81E-04

Mitigated Acute Risk

200 ALL	668148.8	4342430.64	1.86E-02
201 ALL	668370.1	4342430.64	1.96E-02
202 ALL	668591.4	4342430.64	2.16E-02
203 ALL	668812.7	4342430.64	2.25E-02
204 ALL	669034	4342430.64	2.50E-02
205 ALL	669255.3	4342430.64	2.00E-02
206 ALL	669476.7	4342430.64	6.38E-03
207 ALL	669698	4342430.64	3.90E-03
208 ALL	669919.3	4342430.64	3.96E-03
209 ALL	670140.6	4342430.64	6.17E-03
210 ALL	670361.9	4342430.64	5.17E-03
211 ALL	670583.2	4342430.64	3.05E-03
212 ALL	670804.5	4342430.64	3.14E-03
213 ALL	671025.8	4342430.64	3.56E-03
214 ALL	671247.1	4342430.64	2.15E-03
215 ALL	671468.4	4342430.64	1.52E-03
216 ALL	671689.8	4342430.64	1.06E-03
217 ALL	671911.1	4342430.64	9.70E-04
218 ALL	672132.4	4342430.64	1.08E-03
219 ALL	672353.7	4342430.64	9.76E-04
220 ALL	672575	4342430.64	7.93E-04
221 ALL	668148.8	4342595.6	2.15E-02
222 ALL	668370.1	4342595.6	2.34E-02
223 ALL	668591.4	4342595.6	2.50E-02
224 ALL	668812.7	4342595.6	2.72E-02
225 ALL	669034	4342595.6	3.10E-02
226 ALL	669255.3	4342595.6	2.24E-02
227 ALL	669476.7	4342595.6	9.26E-03
228 ALL	669698	4342595.6	6.09E-03
229 ALL	669919.3	4342595.6	8.35E-03
230 ALL	670140.6	4342595.6	5.24E-03
231 ALL	670361.9	4342595.6	3.48E-03
232 ALL	670583.2	4342595.6	2.87E-03
233 ALL	670804.5	4342595.6	2.94E-03
234 ALL	671025.8	4342595.6	2.89E-03
235 ALL	671247.1	4342595.6	1.92E-03
236 ALL	671468.4	4342595.6	1.25E-03
237 ALL	671689.8	4342595.6	1.10E-03
238 ALL	671911.1	4342595.6	1.00E-03
239 ALL	672132.4	4342595.6	1.01E-03
240 ALL	672353.7	4342595.6	1.03E-03
241 ALL	672575	4342595.6	7.44E-04
242 ALL	668148.8	4342760.56	2.90E-02
243 ALL	668370.1	4342760.56	2.79E-02
244 ALL	668591.4	4342760.56	3.21E-02
245 ALL	668812.7	4342760.56	3.08E-02
246 ALL	669034	4342760.56	1.27E-02
247 ALL	669255.3	4342760.56	8.92E-03
248 ALL	669476.7	4342760.56	1.08E-02
249 ALL	669698	4342760.56	7.13E-03

Mitigated Acute Risk

250 ALL	669919.3	4342760.56	4.78E-03
251 ALL	670140.6	4342760.56	3.42E-03
252 ALL	670361.9	4342760.56	2.87E-03
253 ALL	670583.2	4342760.56	2.18E-03
254 ALL	670804.5	4342760.56	2.63E-03
255 ALL	671025.8	4342760.56	2.27E-03
256 ALL	671247.1	4342760.56	1.47E-03
257 ALL	671468.4	4342760.56	1.14E-03
258 ALL	671689.8	4342760.56	9.38E-04
259 ALL	671911.1	4342760.56	7.85E-04
260 ALL	672132.4	4342760.56	8.06E-04
261 ALL	672353.7	4342760.56	1.01E-03
262 ALL	672575	4342760.56	9.09E-04
263 ALL	668148.8	4342925.52	3.45E-02
264 ALL	668370.1	4342925.52	3.90E-02
265 ALL	668591.4	4342925.52	2.17E-02
266 ALL	668812.7	4342925.52	2.54E-02
267 ALL	669034	4342925.52	1.79E-02
268 ALL	669476.7	4342925.52	1.45E-02
269 ALL	669698	4342925.52	4.91E-03
270 ALL	669919.3	4342925.52	3.49E-03
271 ALL	670140.6	4342925.52	3.07E-03
272 ALL	670361.9	4342925.52	2.64E-03
273 ALL	670583.2	4342925.52	2.37E-03
274 ALL	670804.5	4342925.52	2.47E-03
275 ALL	671025.8	4342925.52	1.47E-03
276 ALL	671247.1	4342925.52	1.34E-03
277 ALL	671468.4	4342925.52	1.12E-03
278 ALL	671689.8	4342925.52	9.95E-04
279 ALL	671911.1	4342925.52	8.84E-04
280 ALL	672132.4	4342925.52	8.08E-04
281 ALL	672353.7	4342925.52	1.14E-03
282 ALL	672575	4342925.52	1.47E-03
283 ALL	668148.8	4343090.48	3.29E-02
284 ALL	668370.1	4343090.48	4.54E-02
285 ALL	668591.4	4343090.48	3.03E-02
286 ALL	669476.7	4343090.48	1.78E-02
287 ALL	669698	4343090.48	1.00E-02
288 ALL	669919.3	4343090.48	6.44E-03
289 ALL	670140.6	4343090.48	4.80E-03
290 ALL	670361.9	4343090.48	5.31E-03
291 ALL	670583.2	4343090.48	5.71E-03
292 ALL	670804.5	4343090.48	4.17E-03
293 ALL	671025.8	4343090.48	2.64E-03
294 ALL	671247.1	4343090.48	2.51E-03
295 ALL	671468.4	4343090.48	2.17E-03
296 ALL	671689.8	4343090.48	1.98E-03
297 ALL	671911.1	4343090.48	1.83E-03
298 ALL	672132.4	4343090.48	1.73E-03
299 ALL	672353.7	4343090.48	1.59E-03

Mitigated Acute Risk

300 ALL	672575	4343090.48	1.77E-03
301 ALL	668148.8	4343255.44	3.39E-02
302 ALL	668370.1	4343255.44	4.76E-02
303 ALL	668591.4	4343255.44	7.21E-02
304 ALL	669476.7	4343255.44	1.02E-02
305 ALL	669698	4343255.44	8.30E-03
306 ALL	669919.3	4343255.44	6.14E-03
307 ALL	670140.6	4343255.44	5.34E-03
308 ALL	670361.9	4343255.44	5.38E-03
309 ALL	670583.2	4343255.44	5.34E-03
310 ALL	670804.5	4343255.44	3.91E-03
311 ALL	671025.8	4343255.44	2.14E-03
312 ALL	671247.1	4343255.44	1.96E-03
313 ALL	671468.4	4343255.44	1.80E-03
314 ALL	671689.8	4343255.44	1.58E-03
315 ALL	671911.1	4343255.44	1.46E-03
316 ALL	672132.4	4343255.44	1.40E-03
317 ALL	672353.7	4343255.44	1.34E-03
318 ALL	672575	4343255.44	1.23E-03
319 ALL	668148.8	4343420.4	3.58E-02
320 ALL	668370.1	4343420.4	4.29E-02
321 ALL	668591.4	4343420.4	5.60E-02
322 ALL	668812.7	4343420.4	6.34E-02
323 ALL	669034	4343420.4	6.98E-02
324 ALL	669255.3	4343420.4	3.78E-02
325 ALL	669476.7	4343420.4	2.10E-02
326 ALL	669698	4343420.4	7.71E-03
327 ALL	669919.3	4343420.4	6.50E-03
328 ALL	670140.6	4343420.4	7.58E-03
329 ALL	670361.9	4343420.4	4.95E-03
330 ALL	670583.2	4343420.4	4.69E-03
331 ALL	670804.5	4343420.4	3.34E-03
332 ALL	671025.8	4343420.4	2.54E-03
333 ALL	671247.1	4343420.4	1.94E-03
334 ALL	671468.4	4343420.4	1.42E-03
335 ALL	671689.8	4343420.4	1.18E-03
336 ALL	671911.1	4343420.4	9.50E-04
337 ALL	672132.4	4343420.4	7.78E-04
338 ALL	672353.7	4343420.4	6.34E-04
339 ALL	672575	4343420.4	5.58E-04
340 ALL	668148.8	4343585.36	1.59E-02
341 ALL	668370.1	4343585.36	1.87E-02
342 ALL	668591.4	4343585.36	4.18E-02
343 ALL	668812.7	4343585.36	2.77E-02
344 ALL	669034	4343585.36	1.27E-02
345 ALL	669255.3	4343585.36	1.19E-02
346 ALL	669476.7	4343585.36	1.08E-02
347 ALL	669698	4343585.36	1.10E-02
348 ALL	669919.3	4343585.36	1.27E-02
349 ALL	670140.6	4343585.36	1.18E-02

Mitigated Acute Risk

350 ALL	670361.9	4343585.36	9.23E-03
351 ALL	670583.2	4343585.36	5.71E-03
352 ALL	670804.5	4343585.36	2.56E-03
353 ALL	671025.8	4343585.36	2.12E-03
354 ALL	671247.1	4343585.36	1.57E-03
355 ALL	671468.4	4343585.36	1.41E-03
356 ALL	671689.8	4343585.36	1.38E-03
357 ALL	671911.1	4343585.36	1.24E-03
358 ALL	672132.4	4343585.36	1.17E-03
359 ALL	672353.7	4343585.36	1.05E-03
360 ALL	672575	4343585.36	9.62E-04
361 ALL	668148.8	4343750.32	1.77E-02
362 ALL	668370.1	4343750.32	8.96E-03
363 ALL	668591.4	4343750.32	1.08E-02
364 ALL	668812.7	4343750.32	1.37E-02
365 ALL	669034	4343750.32	6.11E-03
366 ALL	669255.3	4343750.32	5.61E-03
367 ALL	669476.7	4343750.32	8.49E-03
368 ALL	669698	4343750.32	7.32E-03
369 ALL	669919.3	4343750.32	6.74E-03
370 ALL	670140.6	4343750.32	7.35E-03
371 ALL	670361.9	4343750.32	7.42E-03
372 ALL	670583.2	4343750.32	8.03E-03
373 ALL	670804.5	4343750.32	6.40E-03
374 ALL	671025.8	4343750.32	3.83E-03
375 ALL	671247.1	4343750.32	1.44E-03
376 ALL	671468.4	4343750.32	9.69E-04
377 ALL	671689.8	4343750.32	1.18E-03
378 ALL	671911.1	4343750.32	1.00E-03
379 ALL	672132.4	4343750.32	8.67E-04
380 ALL	672353.7	4343750.32	8.35E-04
381 ALL	672575	4343750.32	8.92E-04
382 ALL	668148.8	4343915.28	2.39E-02
383 ALL	668370.1	4343915.28	8.84E-03
384 ALL	668591.4	4343915.28	6.70E-03
385 ALL	668812.7	4343915.28	6.94E-03
386 ALL	669034	4343915.28	4.89E-03
387 ALL	669255.3	4343915.28	3.94E-03
388 ALL	669476.7	4343915.28	5.05E-03
389 ALL	669698	4343915.28	6.53E-03
390 ALL	669919.3	4343915.28	5.90E-03
391 ALL	670140.6	4343915.28	5.08E-03
392 ALL	670361.9	4343915.28	5.19E-03
393 ALL	670583.2	4343915.28	4.75E-03
394 ALL	670804.5	4343915.28	5.44E-03
395 ALL	671025.8	4343915.28	4.05E-03
396 ALL	671247.1	4343915.28	4.44E-03
397 ALL	671468.4	4343915.28	1.99E-03
398 ALL	671689.8	4343915.28	1.14E-03
399 ALL	671911.1	4343915.28	6.20E-04

Mitigated Acute Risk

400 ALL	672132.4	4343915.28	6.22E-04
401 ALL	672353.7	4343915.28	5.84E-04
402 ALL	672575	4343915.28	5.50E-04
403 ALL	668148.8	4344080.24	1.64E-02
404 ALL	668370.1	4344080.24	1.10E-02
405 ALL	668591.4	4344080.24	5.82E-03
406 ALL	668812.7	4344080.24	4.92E-03
407 ALL	669034	4344080.24	4.06E-03
408 ALL	669255.3	4344080.24	2.87E-03
409 ALL	669476.7	4344080.24	5.82E-03
410 ALL	669698	4344080.24	6.60E-03
411 ALL	669919.3	4344080.24	4.43E-03
412 ALL	670140.6	4344080.24	4.11E-03
413 ALL	670361.9	4344080.24	3.97E-03
414 ALL	670583.2	4344080.24	4.26E-03
415 ALL	670804.5	4344080.24	3.27E-03
416 ALL	671025.8	4344080.24	2.18E-03
417 ALL	671247.1	4344080.24	3.60E-03
418 ALL	671468.4	4344080.24	3.47E-03
419 ALL	671689.8	4344080.24	1.59E-03
420 ALL	671911.1	4344080.24	6.93E-04
421 ALL	672132.4	4344080.24	4.20E-04
422 ALL	672353.7	4344080.24	3.98E-04
423 ALL	672575	4344080.24	4.30E-04
424 ALL	671464.7	4342094.27	2.37E-03
425 ALL	671482.2	4342063.91	2.42E-03
426 ALL	671498.6	4342030.05	2.41E-03
427 ALL	671513.8	4341991.52	2.43E-03
428 ALL	671541.8	4341964.66	2.36E-03
429 ALL	671575.6	4341974	2.21E-03
430 ALL	671460.8	4342162.97	2.16E-03
431 ALL	671451	4342187.35	2.12E-03
432 ALL	671510.7	4342219.66	1.98E-03
433 ALL	671524.1	4342192.84	1.91E-03
434 ALL	671522.9	4342250.74	2.01E-03
435 ALL	671599.1	4342252.57	1.88E-03
436 ALL	671627.8	4342256.84	1.85E-03
437 ALL	671583.9	4342116.03	1.85E-03
438 ALL	671595.5	4342071.54	1.91E-03
439 ALL	671663.1	4342056.3	1.96E-03
440 ALL	671600.9	4342030.09	2.03E-03
441 ALL	671526.6	4342155.65	1.93E-03
442 ALL	671629	4342292.19	1.82E-03
443 ALL	671641.8	4341980.71	2.13E-03
444 ALL	671666.8	4342018.51	2.07E-03
445 ALL	671407.1	4342219.66	2.24E-03
446 ALL	671415.6	4342183.08	2.34E-03
447 ALL	671635.1	4341706.42	4.29E-03
448 ALL	671693.6	4341710.08	3.35E-03
449 ALL	671719.8	4341736.29	2.92E-03

Mitigated Acute Risk

450 ALL	671673.5	4341630.23	3.66E-03
451 ALL	671888	4341936.22	2.21E-03
452 ALL	671977.6	4341952.07	1.91E-03
453 ALL	672039.2	4341894.77	1.74E-03
454 ALL	671858.2	4341753.96	1.90E-03
455 ALL	671922.8	4341634.49	2.39E-03
456 ALL	671613.7	4341791.15	3.35E-03
457 ALL	671853.3	4341730.8	1.96E-03
458 ALL	671783.8	4341585.73	2.99E-03
459 ALL	671783.2	4341546.72	3.09E-03
460 ALL	671769.2	4341461.38	3.04E-03
461 ALL	671800.9	4341420.54	2.97E-03
462 ALL	671880.1	4341427.25	3.41E-03
463 ALL	672012.4	4341504.66	2.04E-03
464 ALL	672084.3	4341547.94	1.67E-03
465 ALL	671915.5	4341478.45	3.13E-03
466 ALL	671903.3	4341564.4	2.90E-03
467 ALL	671863.1	4341522.34	3.33E-03
468 ALL	671830.1	4341336.43	2.90E-03
469 ALL	671835.6	4341287.66	2.74E-03
470 ALL	671825.9	4341275.47	2.65E-03
471 ALL	672136.7	4341370.56	1.82E-03
472 ALL	671920.3	4341307.17	2.87E-03
473 ALL	671695.4	4341257.19	2.19E-03
474 ALL	671682	4341176.12	1.40E-03
475 ALL	671991.7	4341196.23	2.41E-03
476 ALL	672022.1	4341231.59	2.51E-03
477 ALL	671992.3	4341177.95	2.16E-03
478 ALL	671540.6	4341238.29	9.15E-04
479 ALL	671575.3	4341177.95	8.42E-04
480 ALL	671454.7	4341196.23	8.41E-04
481 ALL	671523.5	4341116.38	7.69E-04
482 ALL	671413.2	4341126.74	7.80E-04
483 ALL	671471.1	4341064.57	7.37E-04
484 ALL	671601.6	4341050.55	9.66E-04
485 ALL	671198.6	4341253.53	7.66E-04
486 ALL	671278.5	4341212.08	8.02E-04
487 ALL	671230.3	4341132.84	7.29E-04
488 ALL	671073.1	4341271.82	7.30E-04
489 ALL	671122.5	4341373.61	8.15E-04
490 ALL	671118.8	4341397.38	8.27E-04
491 ALL	670978.4	4341324.15	7.54E-04
492 ALL	670932.9	4341394.21	8.17E-04
493 ALL	670935.2	4341367.36	7.95E-04
494 ALL	671108	4340976.17	7.24E-04
495 ALL	671286.7	4340978.51	6.75E-04
496 ALL	671675.4	4342488.78	1.01E-03
497 ALL	671091.4	4342277.23	4.48E-03
498 ALL	671051.8	4342332.07	3.92E-03
499 ALL	671051.8	4342369.2	3.95E-03

Mitigated Acute Risk

500 ALL	670953	4342360.76	3.70E-03
501 ALL	670695.7	4342235.89	4.02E-03
502 ALL	670545.5	4342318.58	4.47E-03
503 ALL	670711.7	4342488.16	3.23E-03
504 ALL	670648.3	4342501.73	3.12E-03
505 ALL	670648.3	4342630.87	2.30E-03
506 ALL	670806.3	4342728.41	2.45E-03
507 ALL	670688.2	4342739.41	1.90E-03
508 ALL	670804.9	4342427.55	3.14E-03
509 ALL	670439.5	4342471.51	3.36E-03
510 ALL	670358.4	4342578.67	3.54E-03
511 ALL	670546.6	4342662.47	2.88E-03
512 ALL	670537	4342595.15	3.05E-03
513 ALL	670483.5	4342776.5	2.38E-03
514 ALL	670508.2	4342754.52	2.33E-03
515 ALL	670517.8	4342868.54	2.58E-03
516 ALL	670545.3	4342850.69	2.49E-03
517 ALL	670582.4	4342878.16	2.50E-03
518 ALL	670304.9	4342688.57	3.21E-03
519 ALL	670039.7	4342661.1	5.55E-03
520 ALL	670156.5	4342673.46	3.96E-03
521 ALL	670236.2	4342648.73	3.69E-03
522 ALL	670071.3	4342738.03	3.92E-03
523 ALL	669990.2	4342753.14	4.37E-03
524 ALL	669928.4	4342742.15	5.11E-03
525 ALL	669815.8	4342673.46	7.79E-03
526 ALL	669743	4342655.6	7.30E-03
527 ALL	669791	4342744.9	6.67E-03
528 ALL	669696.3	4342731.16	7.30E-03
529 ALL	669536.9	4342552.57	7.95E-03
530 ALL	671174.9	4342280.21	4.47E-03
531 ALL	671068.4	4342169.93	3.92E-03
532 ALL	670965.7	4342179.44	3.13E-03
533 ALL	670815.5	4342198.45	3.85E-03
534 ALL	670737.6	4342097.68	4.52E-03
535 ALL	670762.3	4342069.16	4.43E-03
536 ALL	670817.4	4342040.64	4.37E-03
537 ALL	670895.4	4342025.43	4.39E-03
538 ALL	670979	4341915.15	4.07E-03
539 ALL	671115.9	4341863.81	4.34E-03
540 ALL	671199.6	4341770.65	4.38E-03
541 ALL	671222.4	4341377.07	1.00E-03
542 ALL	671714.8	4341392.28	2.67E-03
543 ALL	671366.9	4341998.81	5.38E-03
544 ALL	671226.2	4342236.48	4.41E-03
545 ALL	669098.4	4343411.59	7.13E-02
546 ALL	668908.6	4343364.56	8.74E-02
547 ALL	668851.5	4343359.52	8.64E-02
548 ALL	668831.4	4343371.27	7.94E-02
549 ALL	668733.9	4343302.41	1.17E-01

Mitigated Acute Risk

550 ALL	668686.9	4343199.95	7.80E-02
551 ALL	668671.8	4343089.09	5.30E-02
552 ALL	668806.2	4343001.74	4.53E-02
553 ALL	668918.7	4343025.26	2.62E-02
554 ALL	669024.5	4342942.95	2.14E-02
555 ALL	669288.2	4342916.08	1.92E-02
556 ALL	669333.6	4342922.8	2.10E-02
557 ALL	669365.5	4342978.23	2.22E-02
558 ALL	669337	4343151.23	2.75E-02
559 ALL	669303.4	4343304.09	2.36E-02
560 ALL	669222.7	4343235.22	3.28E-02
561 ALL	669135.4	4343305.77	7.38E-02

Appendix B

Fugitive Dust TAC Concentrations

	Average mg/Kg					Average lb/ton					Average %					Concentration %			TAC
	Tailings	Meta-Andesite	Altered Meta-And	Serpentine	Diabase	Tailings	Meta-Andesite	Altered Meta-And	Serpentine	Diabase	Tailings	Meta-Andesite	Altered Meta-Andesite	Serpentine	Diabase	mineralized rock	barren rock	Tailings	
Aluminum	16,250.00	26,166.67	421.00	41,300.00	23,500.00	32.5000	52.3333	0.8420	82.6000	47.0000	1.625000%	2.616667%	0.042100%	4.130000%	2.350000%	0.042100%	2.558264%	1.625000%	No
Antimony	0.20	0.20	1.10	0.60	0.20	0.0004	0.0004	0.0022	0.0012	0.0004	0.000020%	0.000020%	0.000110%	0.000060%	0.000020%	0.000110%	0.000022%	0.000020%	No
Arsenic	1.58	2.27	34.80	36.80	7.40	0.0032	0.0045	0.0696	0.0736	0.0148	0.000158%	0.000227%	0.003480%	0.003680%	0.000740%	0.003480%	0.000324%	0.000158%	Yes
Barium	17.63	44.57	1.60	1.10	0.90	0.0353	0.0891	0.0032	0.0022	0.0018	0.001763%	0.004457%	0.000160%	0.000110%	0.000090%	0.000160%	0.004292%	0.001763%	No
Beryllium	0.22	0.11	0.04	0.04	0.04	0.0004	0.0002	0.0001	0.0001	0.0001	0.000022%	0.000011%	0.000004%	0.000004%	0.000004%	0.000004%	0.000010%	0.000022%	Yes
Boron	2.00	2.00	2.00	7.00	31.00	0.0040	0.0040	0.0040	0.0140	0.0620	0.000200%	0.000200%	0.000200%	0.000700%	0.003100%	0.000200%	0.000231%	0.000200%	No
Cadmium	0.61	0.24	0.35	0.03	0.03	0.0012	0.0005	0.0007	0.0001	0.0001	0.000061%	0.000024%	0.000035%	0.000003%	0.000003%	0.000035%	0.000024%	0.000061%	Yes
Chromium	81.00	113.00	1.00	1,740.00	319.00	0.1620	0.2260	0.0020	3.4800	0.6380	0.008100%	0.011300%	0.000100%	0.174000%	0.031900%	0.000100%	0.011888%	0.008100%	No
Cobalt	13.00	23.00	6.00	76.00	99.00	0.0260	0.0460	0.0120	0.1520	0.1980	0.001300%	0.002300%	0.000600%	0.007600%	0.009900%	0.000600%	0.002356%	0.001300%	No
Copper	85.75	90.33	27.00	30.00	75.00	0.1715	0.1807	0.0540	0.0600	0.1500	0.008575%	0.009033%	0.002700%	0.003000%	0.007500%	0.002700%	0.008842%	0.008575%	Yes
Iron	35,475.00	47,533.33	15,500.00	36,800.00	59,200.00	70.9500	95.0667	31.0000	73.6000	118.4000	3.547500%	4.753333%	1.550000%	3.680000%	5.920000%	1.550000%	4.683827%	3.547500%	No
Lead	10.06	2.16	22.80	1.92	0.53	0.0201	0.0043	0.0456	0.0038	0.0011	0.001006%	0.000216%	0.002280%	0.000192%	0.000053%	0.002280%	0.000264%	0.001006%	Yes
Magnesium					830.00					1.6600	0.000000%	0.000000%	0.000000%	0.000000%	0.083000%	0.000000%	0.000830%	0.000000%	No
Manganese	998.50	860.33	311.00	176.00	2.00	1.9970	1.7207	0.6220	0.3520	0.0040	0.099850%	0.086033%	0.031100%	0.017600%	0.000200%	0.031100%	0.083583%	0.099850%	Yes
Mercury	49.55	24.13	43.40	25.70		0.0991	0.0483	0.0868	0.0514	0.0000	0.004955%	0.002413%	0.004340%	0.002570%	0.000000%	0.004340%	0.002436%	0.004955%	Yes
Molybdenum	33.50	2.00	271.00	3.00		0.0670	0.0040	0.5420	0.0060	0.0000	0.003350%	0.000200%	0.027100%	0.000300%	0.000000%	0.027100%	0.000844%	0.003350%	No
Nickel	30.70	43.43	3.00	1,810.00	1,400.00	0.0614	0.0869	0.0060	3.6200	2.8000	0.003070%	0.004343%	0.000300%	0.181000%	0.140000%	0.000300%	0.006309%	0.003070%	Yes
Selenium	0.12	0.48	0.96	0.20	0.23	0.0002	0.0010	0.0019	0.0004	0.0005	0.000012%	0.000048%	0.000096%	0.000020%	0.000023%	0.000096%	0.000049%	0.000012%	Yes
Silver	0.22	0.43	0.59	0.05	0.05	0.0004	0.0009	0.0012	0.0001	0.0001	0.000022%	0.000043%	0.000059%	0.000005%	0.000005%	0.000059%	0.000043%	0.000022%	No
Thallium	0.05	0.05	0.05	0.05	0.05	0.0001	0.0001	0.0001	0.0001	0.0001	0.000005%	0.000005%	0.000005%	0.000005%	0.000005%	0.000005%	0.000005%	0.000005%	No
Vanadium	72.90	146.67	4.90	63.40	18.00	0.1458	0.2933	0.0098	0.1268	0.0360	0.007290%	0.014667%	0.000490%	0.006340%	0.001800%	0.000490%	0.014164%	0.007290%	Yes
Zinc	63.50	67.00	11.00	17.00	20.00	0.1270	0.1340	0.0220	0.0340	0.0400	0.006350%	0.006700%	0.001100%	0.001700%	0.002000%	0.001100%	0.006499%	0.006350%	No

500 tons tailings
1000 tons mineralized rock MAA-1, altered meta andesite

500 mg/kg = lb/ton

Material Type	Tons per Day	Percent of Material Produced
Meta-Andesite	481	96.2%
Altered Meta-Andesite	12	2.4%
Diabase	5	1.0%
Serpentinite	2	0.4%
TOTAL	500	100

APPENDIX C

Health Effects from Criteria Air Pollutants Associated with the Idaho-Maryland Mine Project

MEMORANDUM

To: Memorandum to File
From: Matthew Morales; Jennifer Reed; Dudek
Subject: Health Effects from Criteria Air Pollutants Associated with the Idaho-Maryland Mine Project
Date: February 27, 2020

1 Purpose and Introduction

In response to the California Supreme Court's *Sierra Club v. County of Fresno* (2018) 6 Cal. 5th 502 decision (referred to herein as the Friant Ranch decision), this memorandum addresses the potential for adverse health effects related to emissions of criteria air pollutants associated with construction and operation of the proposed Idaho-Maryland Mine Project (proposed project), based on scientific information and technological methods available at the time of this memorandum's preparation. The published Friant Ranch decision (issued on December 24, 2018) addresses the need to correlate mass emission values for criteria air pollutants to specific health consequences, and contains the following direction from the California Supreme Court: "The Environmental Impact Report (EIR) must provide an adequate analysis to inform the public how its bare numbers translate to create potential adverse impacts or it must explain what the agency *does* know and why, given existing scientific constraints, it cannot translate potential health impacts further." (*Italics original.*) (*Sierra Club v. County of Fresno* 2018.)

As discussed below, at the time of this memorandum's preparation, no expert agency, including the Northern Sierra Air Quality Management District (NSAQMD), the California Air Resources Board (CARB), or the U.S. Environmental Protection Agency (EPA), has approved a quantitative method to reliably, meaningfully, and consistently translate the mass emission estimates for the criteria air pollutants resulting from the proposed project to specific health effects. No California air district or other expert agency/entity has published *quantitative* guidance on how to address the Friant Ranch decision.¹ However, in April 2019, the Sacramento Metropolitan Air Quality Management District (SMAQMD) published an Interim Recommendation on implementing the Friant Ranch decision in the review and analysis of proposed projects under the California Environmental Quality Act (CEQA) in Sacramento County. The SMAQMD Interim Recommendation, which does not endorse use of any quantitative methodology, is summarized in Section 4, Scientific and Technological Complexities.

Nonetheless, following the Supreme Court's Friant Ranch decision, some EIRs where estimated criteria air pollutant emissions exceeded applicable air district thresholds have included a quantitative analysis of potential project-

¹ The following air districts, state agencies and entities were contacted by Dudek in January 2019, which could not provide guidance on how to proceed in response to the Friant Ranch decision at that time: San Diego Air Pollution Control District (APCD), Mojave Desert Air Quality Management District (AQMD), South Coast AQMD, San Joaquin Valley APCD, Santa Barbara County APCD, San Luis Obispo County APCD, Bay Area AQMD, CARB, California Office of Planning and Research, California Air Pollution Control Officers Association, and Office of Environmental Health Hazard Assessment.

generated health effects using a combination of a regional photochemical grid model (PGM) and the EPA Benefits Mapping and Analysis Program (BenMAP or BenMAP–Community Edition (CE)). The publicly available health impact assessments (HIA) typically present results in terms of an increase in health incidences and/or the increase in background health incidences for various health outcomes resulting from the project's estimated increase in concentrations of ozone (O₃) and particulate matter with an aerodynamic diameter less than or equal to 2.5 microns (PM_{2.5}). To date, all of the HIAs that are publicly available have concluded that the evaluated project's health effects associated with the estimated project-generated increase in concentrations of O₃ and PM_{2.5} represent a small increase in incidences and a very small percent of the number of background incidences, indicating that these health impacts are negligible and potentially within the models' margin of error. A review of the publicly available HIAs in CEQA documents is provided in Section 4.

2 National and California Ambient Air Quality Standards

As discussed in Section 2, Air Quality, of the proposed project's Air Quality and Greenhouse Gas Technical Report (AQ-GHG Technical Report), ambient air quality standards (AAQS) define clean air, and are established to protect even the most sensitive individuals (CARB 2019a). An AAQS defines the maximum amount of a pollutant averaged over a specified period of time that can be present in outdoor air without harm to the public's health. The EPA and CARB are both authorized to set AAQS.

The Clean Air Act Amendments of 1970 instruct the EPA to set primary National AAQS (NAAQS) to protect public health, and secondary NAAQS to protect plants, forests, crops and materials from damage due to exposure to the following criteria air pollutants: O₃, nitrogen dioxide (NO₂), carbon monoxide (CO), sulfur dioxide (SO₂), particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM₁₀), PM_{2.5}, and lead.

The federal Clean Air Act requires that the EPA reassess, at least every five years, whether adopted standards are adequate to protect public health based on current scientific evidence. The EPA is required to rely on the advice of an independent scientific panel, the Clean Air Scientific Advisory Committee. Reviewing the NAAQS is a lengthy undertaking and includes the following major phases: planning, integrated science assessment, risk/exposure assessment, policy assessment, and rulemaking (EPA 2018a). During the integrated science assessment, a comprehensive review, synthesis, and evaluation of the most policy-relevant science is conducted, including key science judgments that are important to inform the development of the risk and exposure assessments (EPA 2018a). Then, the risk/exposure assessment draws upon information and conclusions presented in the integrated science assessment to develop quantitative characterizations of exposures and associated risks to human health or the environment associated with recent air quality conditions and with air quality estimated to just meet the current or alternative standard(s) under consideration (EPA 2018a). Scientific review during policy assessment development, and the NAAQS review process in general, is thorough and extensive.

In 1959, California enacted legislation requiring the state Department of Public Health to establish AAQS and necessary controls for motor vehicle emissions (CARB 2019b). California's AAQS (CAAQS) were adopted in 1971 (CARB 2019b). The CAAQS are established for O₃, NO₂, CO, SO₂, PM₁₀, and PM_{2.5}, as well as hydrogen sulfide, vinyl chloride, sulfates, and visibility reducing particles.

Air quality standard setting in California commences with a critical review of all relevant peer reviewed scientific literature. The Office of Environmental Health Hazard Assessment (OEHHA) uses the review of health literature to develop a recommendation for the standard. The recommendation can be for no change, or can recommend a new

standard. The review, including the OEHHHA recommendation, is summarized in a document called the draft Initial Statement of Reasons (ISOR), which is released for comment by the public, and also for public peer review by the Air Quality Advisory Committee (AQAC). AQAC members are appointed by the President of the University of California for their expertise in the range of subjects covered in the ISOR, including health, exposure, air quality monitoring, atmospheric chemistry and physics, and effects on plants, trees, materials, and ecosystems. The Committee provides written comments on the draft ISOR. CARB staff next revises the ISOR based on comments from AQAC and the public. The revised ISOR is then released for a 45-day public comment period prior to consideration by the Board of CARB at a regularly scheduled Board hearing (CARB 2017a).

Federal law requires that all states attain the NAAQS. Failure of a state to reach attainment of the NAAQS by the target date can trigger penalties, including withholding of federal highway funds (CARB 2019b). California law similarly continues to mandate CAAQS, although attainment of the NAAQS has precedence over attainment of the CAAQS (CARB 2019b).

Of importance to this memorandum, California air districts have based their thresholds of significance for CEQA purposes on the levels that scientific and factual data demonstrate that the air basin can accommodate without affecting the attainment date for the NAAQS or CAAQS. Since an AAQS is based on maximum pollutant levels in outdoor air that would not harm the public's health, and air district thresholds pertain to attainment of the AAQS, this means that the thresholds established by air districts are also protective of human health. The particular thresholds of relevance to the proposed project are illustrated in Table 3, Northern Sierra Air Quality Management District Emission Significance Thresholds, of the AQ-GHG Technical Report. Because O₃ is not emitted directly, air districts have established emissions-based thresholds for O₃ precursors—reactive organic gases (ROG) and oxides of nitrogen (NO_x)—which are intended to serve as a surrogate for an “O₃ significance threshold” (i.e., the potential for adverse O₃ impacts to occur).

The NAAQS and CAAQS for O₃, NO₂, CO, SO₂, PM₁₀, and PM_{2.5} are presented in Table 1. Hydrogen sulfide, vinyl chloride, sulfates, and visibility reducing particles are not addressed further in this evaluation because they are not routinely associated with land use development projects subject to CEQA review, and are thus not presented in Table 1.²

Table 1. Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards ^a	National Standards ^b	
		Concentration ^c	Primary ^{c,d}	Secondary ^{c,e}
O ₃	1 hour	0.09 ppm (180 µg/m ³)	—	Same as Primary Standard ^f
	8 hours	0.070 ppm (137 µg/m ³)	0.070 ppm (137 µg/m ³) ^f	
NO ₂ ^g	1 hour	0.18 ppm (339 µg/m ³)	0.100 ppm (188 µg/m ³)	Same as Primary Standard
	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)	0.053 ppm (100 µg/m ³)	
CO	1 hour	20 ppm (23 mg/m ³)	35 ppm (40 mg/m ³)	None
	8 hours	9.0 ppm (10 mg/m ³)	9 ppm (10 mg/m ³)	

² Ambient Air Quality Standards table is provided as Table 1 in the AQ-GHG Technical Report.

Table 1. Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards ^a	National Standards ^b	
		Concentration ^c	Primary ^{c,d}	Secondary ^{c,e}
SO ₂ ^h	1 hour	0.25 ppm (655 µg/m ³)	0.075 ppm (196 µg/m ³)	—
	3 hours	—	—	0.5 ppm (1,300 µg/m ³)
	24 hours	0.04 ppm (105 µg/m ³)	0.14 ppm (for certain areas) ^g	—
	Annual	—	0.030 ppm (for certain areas) ^g	—
PM ₁₀ ⁱ	24 hours	50 µg/m ³	150 µg/m ³	Same as Primary Standard
	Annual Arithmetic Mean	20 µg/m ³	—	
PM _{2.5} ⁱ	24 hours	—	35 µg/m ³	Same as Primary Standard
	Annual Arithmetic Mean	12 µg/m ³	12.0 µg/m ³	15.0 µg/m ³

Source: CARB 2016.

Notes: µg/m³ = micrograms per cubic meter; mg/m³ = milligrams per cubic meter; ppm = parts per million by volume; O₃ = ozone; NO₂ = nitrogen dioxide; CO = carbon monoxide; SO₂ = sulfur dioxide; PM₁₀ = particulate matter with an aerodynamic diameter less than or equal to 10 microns; PM_{2.5} = particulate matter with an aerodynamic diameter less than or equal to 2.5 microns.

^a California standards for O₃, CO, SO₂ (1-hour and 24-hour), NO₂, suspended 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. CAAQS are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

^b National standards (other than O₃, NO₂, SO₂, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once per year. The O₃ standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over 3 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 1. For PM_{2.5}, the 24-hour standard is attained when 98% of the daily concentrations, averaged over 3 years, are equal to or less than the standard.

^c Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based on 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.

^d National Primary Standards: The levels of air quality necessary, with an adequate margin of safety, to protect the public health.

^e National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

^f On October 1, 2015, the national 8-hour O₃ primary and secondary standards were lowered from 0.075 to 0.070 ppm.

^g To attain the national 1-hour standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 parts per billion (ppb). Note that the national 1-hour standard is in units of ppb. California standards are in units of 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.

^h 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 national 1-hour 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 1 year after an area is designated for the 2010 standard, except that in areas designated nonattainment of the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

ⁱ CARB adopted new PM standards in June of 2002, responding to requirements of the Children's Environmental Health Protection Act (Senate Bill 25, Escutia 1999), specifically the evaluation of all health-based AAQS to determine if the standards adequately protect human health, particularly that of infants and children. The subsequent review of the PM standards resulted in the recommendation of more health-protective AAQS for PM₁₀ and a new standard for PM_{2.5}. The new PM standards became effective in 2003. Upon further review, the national annual PM_{2.5} primary standard was lowered from 15 µg/m³ to 12.0 µg/m³ on December 14, 2012. 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 were also retained. The form of the annual primary and secondary standards is the annual mean averaged over 3 years.

Pursuant to the 1990 Clean Air Act amendments, the EPA classifies air basins (or portions thereof) as “attainment” or “nonattainment” for each criteria air pollutant, based on whether the NAAQS have been achieved. Generally, if the recorded concentrations of a pollutant are lower than the standard, the area is classified as “attainment” for that pollutant. If an area exceeds the standard, the area is classified as “nonattainment” for that pollutant. If there is not enough data available to determine whether the standard is exceeded in an area, the area is designated as “unclassified” or “unclassifiable.” The designation of “unclassifiable/attainment” means that the area meets the standard or is expected to meet the standard despite a lack of monitoring data. Nonattainment areas must develop plans to attain the NAAQS. Areas that achieve the standards after a nonattainment designation are redesignated as maintenance areas and must have approved maintenance plans to ensure continued attainment of the standards. The California Clean Air Act, like its federal counterpart, called for the designation of areas as “attainment” or “nonattainment,” but based on CAAQS rather than NAAQS.

The western portion of Nevada County is currently designated by the EPA as a “Moderate” nonattainment area for the federal 8-hour O₃ standard (EPA 2018b). However, the NSAQMD prepared and submitted the Ozone Attainment Plan Western Nevada County – State Implementation Plan for the 2008 Primary Federal 8-Hour Ozone Standard of 0.075 ppm (Ozone Attainment Plan) (NSAQMD 2018) to the EPA to request voluntary reclassification as a “Serious” nonattainment area, and revise the attainment date to December 31, 2021. Additionally, CARB has designated Nevada County as a nonattainment area for the state O₃ and PM₁₀ standards (CARB 2019c). The County is designated as unclassified or attainment by the EPA and CARB for all other criteria air pollutants. As the NSAQMD develops and implements plans and control measures designed to attain the AAQS, the NSAQMD implements measures to reduce public health effects associated with criteria air pollutants.

3 Health Effects of Criteria Air Pollutants and their Precursors

Numerous scientific studies published over the past 50 years point to the harmful effects of air pollution (CARB 2019b). As explained above, the AAQS are designed to prevent these effects (CARB 2019b). The adverse health effects associated with air pollution are diverse and include (SCAQMD 2017):

- Premature mortality
- Cardiovascular effects
- Increased health care utilization (hospitalization, physician and emergency room visits)
- Increased respiratory illness and other morbidity (symptoms, infections, and asthma exacerbation)
- Decreased lung function (breathing capacity)
- Lung inflammation
- Potential immunological changes
- Increased airway reactivity to a known pharmacological agent exposure - a method used in laboratories to evaluate the tendency of airways to have an increased possibility of developing an asthmatic response
- A decreased tolerance for exercise
- Adverse birth outcomes such as low birth weights

The evidence linking these effects to air pollutants is derived from population-based observational and field studies (epidemiological) as well as controlled laboratory studies involving human subjects and animals. There have been an increasing number of studies focusing on the mechanisms (that is, on learning how specific organs, cell types,

and biomarkers are involved in the human body's response to air pollution) and specific pollutants responsible for individual effects. Yet the underlying biological pathways for these effects are not always clearly understood (SCAQMD 2017).

Although individuals inhale pollutants as a mixture under ambient conditions, the regulatory framework and the control measures developed are pollutant-specific for six major outdoor pollutants covered under Sections 108 and 109 of the Clean Air Act. This is appropriate, in that different pollutants usually differ in their sources, their times and places of occurrence, the kinds of health effects they may cause, and their overall levels of health risk. Different pollutants, from the same or different sources, oftentimes occur together. Evidence for more than additive effects has not been strong and, as a practical matter, health scientists, as well as regulatory officials, usually must deal with one pollutant at a time in adopting AAQS (SCAQMD 2017).

Health effects associated with criteria air pollutants are discussed below; the same or similar information is provided in Section 2.1.2, Pollutants and Effects, of the AQ-GHG Technical Report prepared for the project.

Ozone (O₃). O₃ in the troposphere causes numerous adverse health effects; short-term exposures (lasting for a few hours) to O₃ at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, respiratory symptoms, worsening of lung disease leading to premature death, increased susceptibility to infections, inflammation of and damage to the lung tissue, and some immunological changes (EPA 2013, CARB 2019d). These health problems are particularly acute in sensitive receptors such as the sick, older adults, and young children.

Inhalation of O₃ causes inflammation and irritation of the tissues lining human airways, causing and worsening a variety of symptoms. Exposure to O₃ can reduce the volume of air that the lungs breathe in and cause shortness of breath. O₃ in sufficient doses increases the permeability of lung cells, rendering them more susceptible to toxins and microorganisms. The occurrence and severity of health effects from O₃ exposure vary widely among individuals, even when the dose and the duration of exposure are the same. Research shows adults and children who spend more time outdoors participating in vigorous physical activities are at greater risk from the harmful health effects of O₃ exposure. While there are relatively few studies of O₃'s effects on children, the available studies show that children are no more or less likely to suffer harmful effects than adults. However, there are a number of reasons why children may be more susceptible to O₃ and other pollutants. Children and teens spend nearly twice as much time outdoors and engaged in vigorous activities as adults. Children breathe more rapidly than adults and inhale more pollution per pound of their body weight than adults. Also, children are less likely than adults to notice their own symptoms and avoid harmful exposures. Further research may be able to better distinguish between health effects in children and adults. Children, adolescents and adults who exercise or work outdoors, where O₃ concentrations are the highest, are at the greatest risk of harm from this pollutant (CARB 2019d).

A number of population groups are potentially at increased risk for O₃ exposure effects. In the ongoing review of O₃, the EPA has identified populations as having adequate evidence for increased risk from O₃ exposures include individuals with asthma, younger and older age groups, individuals with reduced intake of certain nutrients such as Vitamins C and E, and outdoor workers. There is suggestive evidence for other potential factors, such as variations in genes related to oxidative metabolism or inflammation, gender, socioeconomic status, and obesity. However further evidence is needed (SCAQMD 2017).

The adverse effects reported with short-term O₃ exposure are greater with increased activity because activity increases the breathing rate and the volume of air reaching the lungs, resulting in an increased amount of O₃ reaching the lungs. Children may be a particularly vulnerable population to air pollution effects because they spend more time outdoors, are generally more active, and have a higher specific ventilation relative to their body weight, compared to adults (SCAQMD 2017).

Reactive Organic Gases (ROG). The primary health effects of ROG result from the formation of O₃ and its related health effects. High levels of ROG in the atmosphere can interfere with oxygen intake by reducing the amount of available oxygen through displacement. Carcinogenic forms of hydrocarbons, such as benzene, are considered toxic air contaminants (TACs). There are no separate health standards for ROG as a group. Within this evaluation, ROG and volatile organic compounds (VOCs) are used interchangeably.

Nitrogen Dioxide (NO₂). A large body of health science literature indicates that exposure to NO₂ can induce adverse health effects. The strongest health evidence, and the health basis for the AAQS for NO₂, is results from controlled human exposure studies that show that NO₂ exposure can intensify responses to allergens in allergic asthmatics. In addition, a number of epidemiological studies have demonstrated associations between NO₂ exposure and premature death, cardiopulmonary effects, decreased lung function growth in children, respiratory symptoms, emergency room visits for asthma, and intensified allergic responses. Infants and children are particularly at risk because they have disproportionately higher exposure to NO₂ than adults due to their greater breathing rate for their body weight and their typically greater outdoor exposure duration. Several studies have shown that long-term NO₂ exposure during childhood, the period of rapid lung growth, can lead to smaller lungs at maturity in children with higher compared to lower levels of exposure. In addition, children with asthma have a greater degree of airway responsiveness compared with adult asthmatics. In adults, the greatest risk is to people who have chronic respiratory diseases, such as asthma and chronic obstructive pulmonary disease (CARB 2019e).

Carbon Monoxide (CO). Carbon monoxide is harmful because it binds to hemoglobin in the blood, reducing the ability of blood to carry oxygen. This interferes with oxygen delivery to the body's organs. The most common effects of CO exposure are fatigue, headaches, confusion and reduced mental alertness, and light-headedness, dizziness due to inadequate oxygen delivery to the brain. For people with cardiovascular disease, short-term CO exposure can further reduce their body's already compromised ability to respond to the increased oxygen demands of exercise, exertion, or stress. Inadequate oxygen delivery to the heart muscle leads to chest pain and decreased exercise tolerance. Unborn babies whose mothers experience high levels of CO exposure during pregnancy are at risk of adverse developmental effects. Unborn babies, infants, elderly people, and people with anemia or with a history of heart or respiratory disease are most likely to experience health effects with exposure to elevated levels of CO (CARB 2019f).

Sulfur Dioxide (SO₂). SO₂ is an irritant gas that attacks the throat and lungs and can cause acute respiratory symptoms and diminished ventilator function in children. When combined with particulate matter (PM), SO₂ can injure lung tissue and reduce visibility and the level of sunlight. SO₂ can worsen asthma resulting in increased symptoms, increased medication usage, and emergency room visits.

Controlled human exposure and epidemiological studies show that children and adults with asthma are more likely to experience adverse responses with SO₂ exposure, compared with the non-asthmatic population. Effects at levels near the one-hour standard are those of asthma exacerbation, including bronchoconstriction accompanied by symptoms of respiratory irritation such as wheezing, shortness of breath and chest tightness, especially during exercise or physical

activity. Also, exposure at elevated levels of SO₂ (above 1 parts per million (ppm)) results in increased incidence of pulmonary symptoms and disease, decreased pulmonary function, and increased risk of mortality. The elderly and people with cardiovascular disease or chronic lung disease (such as bronchitis or emphysema) are most likely to experience these adverse effects (CARB 2019g).

SO₂ is of concern both because it is a direct respiratory irritant and because it contributes to the formation of sulfate and sulfuric acid in PM (NRC 2005). People with asthma are of particular concern, both because they have increased baseline airflow resistance and because their SO₂-induced increase in resistance is greater than in healthy people, and it increases with the severity of their asthma (NRC 2005). SO₂ is thought to induce airway constriction via neural reflexes involving irritant receptors in the airways (NRC 2005).

Particulate Matter (PM₁₀ and PM_{2.5}). A number of adverse health effects have been associated with exposure to both PM_{2.5} and PM₁₀. For PM_{2.5}, short-term exposures (up to 24-hours duration) have been associated with premature mortality, increased hospital admissions for heart or lung causes, acute and chronic bronchitis, asthma attacks, emergency room visits, respiratory symptoms, and restricted activity days. These adverse health effects have been reported primarily in infants, children, and older adults with preexisting heart or lung diseases. In addition, of all of the common air pollutants, PM_{2.5} is associated with the greatest proportion of adverse health effects related to air pollution, both in the United States and world-wide based on the World Health Organization's Global Burden of Disease Project. Short-term exposures to PM₁₀ have been associated primarily with worsening of respiratory diseases, including asthma and chronic obstructive pulmonary disease, leading to hospitalization and emergency department visits (CARB 2017b).

Long-term (months to years) exposure to PM_{2.5} has been linked to premature death, particularly in people who have chronic heart or lung diseases, and reduced lung function growth in children. The effects of long-term exposure to PM₁₀ are less clear, although several studies suggest a link between long-term PM₁₀ exposure and respiratory mortality. The International Agency for Research on Cancer published a review in 2015 that concluded that PM in outdoor air pollution causes lung cancer (CARB 2017b).

People with influenza, people with chronic respiratory and cardiovascular diseases, and older adults may suffer worsening illness and premature death as a result of breathing PM. People with bronchitis can expect aggravated symptoms from breathing PM. Children may experience a decline in lung function due to breathing in PM₁₀ and PM_{2.5} (EPA 2009).

PM encompasses a physically and chemically diverse class of ambient air pollutants of both anthropogenic and biological origin. The PM standard is the only NAAQS that does not target a specific chemical or family of chemical species (NRC 2005). The range of human health effects associated with ambient PM levels or demonstrated in laboratory studies has expanded from earlier concerns for total mortality and respiratory morbidity to include cardiac mortality and morbidity, blood vessel constriction, stroke, premature birth, low birth weight, retarded lung growth, enhancement of allergic responses, reduced resistance to infection, degenerative lesions in the brain, and lung cancer (EPA 2004).

4 Scientific and Technological Complexities

At issue in the Friant Ranch decision was the fact that a development project's EIR did not connect its mass emission totals to specific adverse human health effects. Concerned with the sufficiency of the EIR as an

informational document, and specifically whether the magnitude of project impacts was adequately disclosed, the California Supreme Court stated the following:

“The task for real party and the County is clear: The EIR must provide an adequate analysis to inform the public how its bare numbers translate to create potential adverse impacts or it must adequately explain what the agency *does* know and why, given existing scientific constraints, it cannot translate potential health impacts further.” (Sierra Club v. County of Fresno 2018; italics original)

As discussed further below, at the time of this writing, no available modeling tools have been proven to provide a reliable and meaningful analysis to correlate an increase in mass totals or concentrations of criteria air pollutants from an individual project to specific health effects, or estimate additional pollutant nonattainment days relative to the NAAQS and CAAQS due to a single project.

Formation of Secondary Pollutants

The California Supreme Court noted, in the Friant Ranch decision, that: “The raw numbers estimating the tons per year of ROG and NO_x from the Project do not give any information to the reader about how much ozone is estimated to be produced as a result.”

In response, the formation of O₃ and PM in the atmosphere, as secondary pollutants,³ involves complex chemical and physical interactions of multiple pollutants from natural and anthropogenic sources, as further explained below. The complexity in how secondary pollutants are formed and dispersed has resulted in ongoing difficulties in measuring and regulating those pollutants.

Tropospheric, or ground level O₃, is not emitted directly into the air, but is created by chemical reactions between NO_x and VOCs (EPA 2018c). This happens when pollutants emitted by cars, power plants, industrial boilers, refineries, chemical plants, and other sources chemically react in the presence of sunlight (EPA 2018c). O₃ is most likely to reach unhealthy levels on hot sunny days in urban environments, but can still reach high levels during colder months (EPA 2018c). O₃ can also be transported long distances by wind, so even rural areas can experience high O₃ levels (EPA 2018c).

The O₃ reaction is self-perpetuating (or catalytic) in the presence of sunlight because NO₂ is photochemically reformed from nitric oxide (NO). In this way, O₃ is controlled by both NO_x and VOC emissions (NRC 2005). The complexity of these interacting cycles of pollutants means that incremental decreases in one emission may not result in proportional decreases in O₃ (NRC 2005). Although these reactions and interactions are well understood, variability in emission source operations and meteorology creates uncertainty in the modeled O₃ concentrations to which downwind populations may be exposed (NRC 2005). This is especially true for individual projects, like the proposed project, where project-generated criteria air pollutant emissions are not derived from a single "point source," but from off-road equipment, mobile sources (cars and trucks) driving to, from and around the project area and area sources (consumer products, architectural coating, etc.).

In many urban areas, O₃ nonattainment is not caused by emissions from the local area alone (EPA 2008). Due to atmospheric transport, contributions of precursors from the surrounding region can also be important (EPA 2008,

³ Air pollutants formed through chemical reactions in the atmosphere are referred to as secondary pollutants.

O₃ NAAQS). Thus, in designing control strategies to reduce O₃ concentrations in a local area, it is often necessary to account for regional transport within the U.S. (EPA 2008). In some areas, such as California, global transport of O₃ from beyond North America also can contribute to nonattainment areas (EPA 2008).

PM can be divided into two categories: directly emitted PM and secondary PM. Secondary PM, like O₃, is formed via complex chemical reactions in the atmosphere between precursor chemicals such as SO_x and NO_x (SJVAPCD 2015). In general, PM₁₀ is composed largely of primary particles, and a much greater portion of PM_{2.5} contains secondary particles (EPA 2015b). The secondary formation of PM_{2.5} is dominated by a variety of chemical species or components of atmospheric particles, such as ammonium sulfate, ammonium nitrate, organic carbon mass, elemental carbon, and other soil compounds and oxidized metals. PM_{2.5}, sulfate, nitrate, and ammonium ions are predominantly the result of chemical reactions of the oxidized products of SO₂ and NO_x emissions with direct ammonia emission (EPA 2017a). Because of the complexity of secondary PM formation, including the potential to be transported long distances by wind, the tonnage of PM-forming precursor emissions in an area does not necessarily result in an equivalent concentration of secondary PM in that area (SJVAPCD 2015).

Because of the long-range transport of some pollutants, important emission sources may be far from the locations where measured pollutant concentrations exceed the AAQS (NRC 2005). Thus, for areas experiencing higher ambient concentrations of pollutants, such as O₃ and PM, controlling emissions of those pollutants and their precursors is typically a regional, often multistate, problem, not a local one (NRC 2005).

San Joaquin Valley Air Pollution Control District and South Coast Air Quality Management District Briefs

In connection with the judicial proceedings culminating in issuance of the Friant Ranch decision, the San Joaquin Valley Air Pollution Control District (SJVAPCD) and the South Coast Air Quality Management District (SCAQMD) filed amicus briefs attesting to the extreme difficulty of correlating an individual project's criteria air pollutant emissions to specific health impacts. Both the SJVAPCD and the SCAQMD have among the most sophisticated air quality modeling and health impact evaluation capabilities of the air districts in the State. While the information and arguments presented in those briefs was considered by the California Supreme Court, the Court noted that such information was not part of the administrative record associated with the County's decision to approve the Friant Ranch project. A summary of the key, relevant points of the SJVAPCD and SCAQMD briefs is provided below.

Difference between Toxic Air Contaminants and Criteria Air Pollutants

As explained in Section 2.1.2.2, Non-Criteria Air Pollutants, of the AQ-GHG Technical Report, a TAC is an air pollutant, identified in regulation by CARB, which may cause or contribute to an increase in deaths or in serious illness, or which may pose a present or potential hazard to human health. TACs are considered under a different regulatory process (California Health and Safety Code section 39650 et seq.) than pollutants subject to CAAQS and NAAQS. Health effects to TACs may occur at extremely low levels and it is typically difficult to identify levels of exposure which do not produce adverse health effects. A criteria air pollutant, on the other hand, is an air pollutant for which acceptable levels of exposure can be determined and for which an AAQS has been set (CARB 2019h).

As the SJVAPCD explained in their brief, "Although criteria air pollutants can also be harmful to human health, they are distinguishable from TACs and are regulated separately. The most relevant difference between criteria pollutants and TACs for purposes of this case is the manner in which human health impacts are accounted for.

While it is common practice to analyze the correlation between an individual facility's TAC emissions and the expected localized human health impacts, such is not the case for criteria pollutants" (SJVAPCD 2015). Unlike with TACs (where assessment occurs in conjunction with environmental analysis for individual projects), the human health impacts associated with criteria air pollutants are analyzed and taken into consideration when EPA sets the NAAQS for each criteria pollutant. (42 U.S.C. § 7409(b)(1).) The health impact of a particular criteria pollutant is analyzed on a regional and not a facility or individual project level based on how close the area is to complying with (attaining) the NAAQS (SJVAPCD 2015). The SJVAPCD concluded that while it is possible to perform a health impact analysis for TACs, which was done for construction and operations of the proposed project (see Section 2.5.3 Threshold AQ-3), "it is not feasible to conduct a similar analysis for criteria air pollutants because currently available computer modeling tools are not equipped for this task" (SJVAPCD 2015).

Disconnect Between Mass and Concentration

Another important technical nuance is that health effects from air pollutants are related to the concentration of the air pollutant that an individual is exposed to, not necessarily the individual mass quantity of emissions associated with an individual project. For example, health effects from O₃ are correlated with increases in the ambient level of O₃ in the air a person breathes (SCAQMD 2015). However, it takes a large amount of additional precursor emissions to cause a modeled increase in ambient O₃ levels over an entire region (SCAQMD 2015).

For CEQA analyses, project-generated emissions are typically estimated in pounds per day or tons per year and compared to mass daily or annual emission thresholds. While CEQA thresholds are established at levels that the air basin can accommodate without affecting the attainment date for the AAQS, even if a project exceeds established CEQA significance thresholds, this does not mean that one can easily determine the concentration of O₃ or PM that will be created at or near the project site on a particular day or month of the year, or what specific health impacts will occur (SJVAPCD 2015).

As the SJVAPCD points out, 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 O₃, 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" (SJVAPCD 2015). The disconnect between the tonnage of precursor pollutants (NO_x, SO_x and VOCs) and the concentration of O₃ or PM formed is important because it is not necessarily the tonnage of precursor pollutants that causes human health effects, but the concentration of resulting O₃ or PM (SJVAPCD 2015). As discussed previously, the AAQS are established as concentrations of O₃ or PM and not as tonnages of their precursor pollutants (SJVAPCD 2015). The disconnect between the amount of precursor pollutants and the concentration of O₃ or PM formed makes it difficult to determine potential health impacts, which are related to the concentration of O₃ and PM experienced by the receptor rather than levels of NO_x, SO_x, and VOCs produced by a source (SJVAPCD 2015).

As discussed above, attainment of a particular AAQS occurs when the concentration of the relevant pollutant remains below a set threshold on a consistent basis throughout a particular region (SJVAPCD 2015). Because the AAQS are focused on achieving a particular concentration of pollution region-wide, an air district's tools and plans for attaining the AAQS are regional in nature (SJVAPCD 2015). For instance, the computer models used to simulate and predict an attainment date for the O₃ or PM NAAQS in the San Joaquin Valley are based on regional inputs, such as regional inventories of precursor pollutants (NO_x, SO_x and VOCs) and the atmospheric chemistry and

meteorology of the San Joaquin Valley (SJVAPCD 2015). At a very basic level, the models simulate future O₃ or PM levels based on predicted changes in precursor emissions San Joaquin Valley Air Basin-wide (SJVAPCD 2015). Because the AAQS are set levels necessary to protect human health, the closer a region is to attaining a particular AAQS, the lower the human health impact is from that pollutant (SJVAPCD 2015).

The goal of these modeling exercises is not to determine whether the emissions generated by a particular factory or development project will affect the date that the San Joaquin Valley Air Basin attains the AAQS (SJVAPCD 2015). Rather, the SJVAPCD's modeling and planning strategy is regional in nature and based on the extent to which all of the emission-generating sources in the San Joaquin Valley Air Basin (current and future) must be controlled in order to reach attainment (SJVAPCD 2015).

Correlation to Health Effects

The SJVAPCD ties the difficulty of correlating the emission of criteria pollutants to health impacts to how O₃ and PM are formed, as explained above. According to SJVAPCD, “even once a model is developed to accurately ascertain local increases in concentrations of photochemical pollutants like O₃ and some particulates, it remains impossible, using today's models, to correlate that increase in concentration to a specific health impact [because] such models are designed to determine regional, population-wide health impacts, and simply are not accurate when applied at the local level” (SJVAPCD 2015).

SCAQMD used O₃, which is formed from the chemical reaction of NO_x and VOCs in the presence of sunlight, 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 2015). 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 2015). SCAQMD thus concludes that it “does not currently know of a way to accurately quantify O₃-related health impacts caused by NO_x or VOC emissions from relatively small projects” (SCAQMD 2015).

Essentially, SCAQMD takes the position that a project emitting only 10 tons per year of NO_x or VOC is small enough that its regional impact on ambient O₃ levels may not be detected in the regional air quality models that are currently used to determine O₃ levels; thus, in this case it would not be feasible to directly correlate project emissions of VOC or NO_x with specific health impacts from O₃ (SCAQMD 2015). 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.

Effects on Number of Nonattainment Days

In regard to regional concentrations and air basin attainment, the SJVAPCD emphasized that attempting to identify a change in background pollutant concentrations that can be attributed to a single project, even one as large as the entire Friant Ranch Specific Plan, is a theoretical exercise. The SJVAPCD brief noted that it “would be extremely difficult to model the impact on NAAQS attainment that the emissions from the Friant Ranch project may have” (SJVAPCD 2015). The situation is further complicated by the fact that background concentrations of regional pollutants are not uniform either temporally or geographically throughout an air basin, but are constantly fluctuating

based upon meteorology and other environmental factors. As discussed above, the currently available modeling tools are equipped to model the impact of all emission sources in the San Joaquin Valley Air Basin on attainment (SJVAPCD 2015). The SJVAPCD brief then indicated that, “Running the photochemical grid model used for predicting O₃ attainment with the emissions solely from the Friant Ranch project (which equate to less than one-tenth of one percent of the total NO_x and ROG in the Valley) is not likely to yield valid information given the relative scale involved” (SJVAPCD 2015).

Sacramento Metropolitan Air Quality Management District Interim Recommendation

As previously discussed, the SMAQMD is to date the only California air district to formally release guidance (Interim Recommendation, April 2019) for lead agencies and practitioners preparing CEQA documents for projects within Sacramento County to comply with the Friant Ranch decision. Consistent with the expert opinions submitted to the Court in Friant Ranch by SJVAPCD and SCAQMD, the SMAQMD guidance confirms the absence of an acceptable or reliable quantitative methodology that would correlate the expected criteria air pollutant emissions of projects to the likely health consequences to people from project-generated criteria air pollutant emissions. The SMAQMD guidance explains that while it is in the process of developing a methodology to assess these impacts, lead agencies should follow the Friant Court’s advice to explain in meaningful detail why this analysis is not yet feasible.

The Interim Recommendation further states that, “neither the Sac Metro Air District nor any other air district currently have methodologies that would provide Lead Agencies and CEQA practitioners with a consistent, reliable, and meaningful analysis to correlate specific health impacts that may result from a proposed project’s mass emissions” (SMAQMD 2019). The recommendation further explains that air districts have focused on reducing regional emissions from all sectors to meet the health-based concentration standards, thereby reducing the pollutant-specific health impacts for the entire population. For example, the SMAQMD prepared plans to attain and maintain the O₃ and PM AAQS. These attainment plans include emissions inventories, air monitoring data, control measures, modeling, future pollutant-level estimates, and general health information. Attainment planning models rely on regional inputs to determine O₃ and PM formation and concentrations in a regional context, not a project-specific context. Because of the complexity of O₃ formation, the pounds or tons of emissions from a proposed project in a specific geographical location does not equate to a specific concentration of O₃ formation in a given area, because in addition to emission levels, O₃ formation is affected by atmospheric chemistry, geography, and weather. Secondary formation of PM is very similar to the complexity of O₃ formation, and localized impacts of directly emitted PM do not always equate to local PM concentrations due to transport of emissions. Accordingly, because air district attainment plans and supporting air model tools are regional in nature, they do not allow for analysis of the health impacts of specific projects on any given geographic location. The Interim Recommendation also references available health-related information, but indicates that the available information cannot be directly correlated to the pounds/day or tons/year of emissions estimated from a single proposed project.

The Interim Recommendation is in place to assist lead agencies and practitioners with CEQA document preparation until SMAQMD develops a methodology that provides a consistent, reliable, and meaningful analysis to address the Court’s direction on correlating health impacts to a project’s emissions.

Methods Available

At the time of writing, no specific tools have been developed for use in CEQA documents to connect criteria air pollutant emissions from an individual project to specific health effects in response to Friant Ranch. However, it

has been demonstrated to be technically feasible to use existing regional models and an existing health effect modeling program to evaluate individual projects, which was conducted for a few projects in 2019. The following CEQA documents included a quantitative HIA to address Friant Ranch:

1. California State University Dominguez Hills 2018 Campus Master Plan EIR (CSUDH MP) (CSUDH 2019)
2. March Joint Powers Association K4 Warehouse and Cactus Channel Improvements EIR (March JPA K4) (March JPA 2019)
3. Mineta San Jose Airport Amendment to the Airport Master Plan EIR (San Jose Airport) (City of San Jose 2019)
4. Inglewood Basketball and Entertainment Center Project EIR (IBEC) (City of Inglewood 2019)

The first step in all of the four above-listed examples included running a regional PGM, such as the Community Multiscale Air Quality (CMAQ)⁴ model or the Comprehensive Air Quality Model with extensions (CAMx)⁵ to estimate the increase in concentrations of O₃ and PM_{2.5} as a result of project-generated emissions of criteria and precursor pollutants. Air districts, such as the SCAQMD, use photochemical air quality models for regional air quality planning. These photochemical models are large-scale air quality models that simulate the changes of pollutant concentrations in the atmosphere using a set of mathematical equations characterizing the chemical and physical processes in the atmosphere (EPA 2017b).

After estimating the increase in concentrations of O₃ and PM_{2.5}, the second step in the four examples includes use of BenMAP or BenMAP-CE to estimate the resulting associated health effects. BenMAP estimates the number of health incidences resulting from changes in air pollution concentrations (EPA 2018e). The health impact function in BenMAP-CE incorporates four key sources of data: (i) modeled or monitored air quality changes, (ii) population, (iii) baseline incidence rates, and (iv) an effect estimate. While BenMAP can estimate the health effects of emissions of ROG, NO_x, CO, SO₂, and PM_{2.5}, O₃ and PM_{2.5} were determined to have the most critical health impacts and thus, were the pollutants evaluated to determine the project's health effects in three of the four examples (i.e., CSUDH MP, March JPA K4, and San Jose Airport). The current version of BenMAP-CE only has health impact functions associated with O₃ and PM_{2.5}, which is why the example HIA using BenMAP-CE only quantitatively addressed O₃- and PM_{2.5}-related health outcomes. As such, all example HIAs focused on O₃ and PM_{2.5}.

BenMAP outputs include O₃- and PM-related health endpoints such as premature mortality, hospital admissions, and emergency room visits (City of San Jose 2019). BenMAP uses the following simplified formula to relate changes in ambient air pollution to certain health endpoints (City of San Jose 2019):

$$\text{Health Effect} = \text{Air Quality Change} \times \text{Health Effect Estimate} \times \text{Exposed Population} \\ \times \text{Background Health Incidence}$$

⁴ The CMAQ modeling system includes state-of-the-science capabilities for conducting urban-to-regional-to-hemispheric scale simulations of multiple air quality issues, including tropospheric O₃, fine particles, TACs, acid deposition, and visibility degradation. CMAQ brings together three kinds of models: (1) meteorological models to represent atmospheric and weather activities, (2) emission models to represent man-made and naturally-occurring contributions to the atmosphere, and (3) an air chemistry-transport model to predict the atmospheric fate of air pollutants under varying conditions (EPA 2018d).

⁵ CAMx is a three-dimensional grid-based Eulerian air quality model designed to estimate the formation and fate of oxidant precursors, primary and secondary particulate matter concentrations, and deposition over regional and urban spatial scales (e.g., over the contiguous U.S.) (EPA 2015a).

Population characteristics are a key variable in the BenMAP estimate of health incidences. As such, small increases in emissions in an area with a high population may have a much greater affect than large increases in emissions over an area with a small population. While location and associated population is a key factor, making the four examples specific not only to the project-generated emissions, but also to the geographic location and underlying population estimates, the findings of the four examples are provided herein for context, particularly for the conclusions.

For the CSUDH MP, the proposed project retains the existing campus enrollment cap of 20,000 full-time-equivalent students, while providing a framework for development of the CSUDH's campus in a forward-looking manner that accommodates growth from the current enrollment of approximately 11,000 full-time-equivalent students to the maximum enrollment of 20,000 full-time-equivalent students over a planning horizon extending to 2035. The project is located within Los Angeles County within the SCAQMD jurisdictional boundaries (within the South Coast Air Basin). For context, the maximum daily emissions of relevant pollutants generated by the CSUDH MP were estimated to be 482.6 pounds per day of VOC, 240.1 pounds per day of NO_x, 2.7 pounds per day of SO_x, and 79.5 pounds per day of PM_{2.5}.

The CSUDH MP presented HIA results in terms of an increase in health incidences and the increase in background health incidence for various health outcomes referred to as endpoints. The background health incidence is the actual incidence of health effects as measured in the local population in the absence of additional emissions from the project (CSUDH 2019).

The two highest PM_{2.5}-related health outcomes attributed to the CSUDH MP project-related increases in ambient air concentrations included mortality (10.31 incidences per year, 0.0032% of background health incidence) and asthma-related emergency room visits (4.38 incidences per year, 0.0033% of background health incidence). The remaining health endpoints, including asthma-related hospital admissions, all cardiovascular-related hospital admissions (not including myocardial infarctions), all respiratory-related hospital admissions, and nonfatal acute myocardial infarction ranged from 0.00044 to 2.44 incidences per year (0.00047% to 0.0014% of background health incidence) (CSUDH 2019).

O₃-related health outcomes attributed to the CSUDH MP project-related increases in ambient air concentrations included respiratory-related hospital admissions (0.67 incidences per year, 0.00034% of background health incidence), mortality (0.28 incidences per year, 0.00013% of background health incidence), and asthma-related emergency room visits for any age range (lower than 3.38 incidences per year for all age groups, lower than 0.0058% percent in background health incidence for all age groups) (CSUDH 2019).

The CSUDH MP HIA then concluded that “for all these health endpoints, the number of estimated incidences is less than 0.0058% of the background health incidence. . . . When taken into context, the small increase in incidences and the very small percent of the number of background incidences indicate that these health impacts are negligible in a developed, urban environment” (CSUDH 2019). Of the four examples discussed herein, the CSUDH MP HIA estimated the highest health effects from PM_{2.5}; however, the associated health effect was determined to not be substantial.

The March JPA K4 project is also located within the SCAQMD jurisdictional boundaries (within the South Coast Air Basin), but within Riverside County. The proposed project involves the development of the five parcels on the 35.4-acre K4 Parcel with a 718,000-square-foot building conservatively assumed to be occupied by High-Cube ecommerce/fulfillment center use. The mitigated maximum daily operational emissions of relevant pollutants generated by the March JPA K4 were estimated to be 41.0 pounds per day of VOC, 253.0 pounds per day of NO_x,

1.4 pounds per day of SO_x, and 30.3 pounds per day of PM_{2.5}. The March HPA K4 HIA determined that “for all these health endpoints, the number of estimated incidences is less than 0.0042% of the baseline number of incidences,” and that “these health impacts are conservatively estimated, and the actual impacts may be zero” (March JPA 2019).

The San Jose Airport is located in Santa Clara County within the Bay Area Air Quality Management District (BAAQMD) jurisdictional boundaries (within the San Francisco Bay Area Air Basin). The San Jose Airport project includes amending the approved 2018 Airport Master Plan to (a) shift the planning horizon year from 2027 to 2037, (b) modify future facility requirements at the airport to reflect updated demand forecasts, and (c) modify certain components of the airfield to reduce the potential for runway incursions (City of San Jose 2019). The following emissions inventory was assumed for the HIA for San Jose Airport: 57.3 pounds per day of VOC, 5,643.0 pounds per day of NO_x, and 51.6 pounds per day of PM_{2.5}.

The San Jose Airport HIA estimated that the highest health endpoint from PM_{2.5} was mortality, at 4.46 incidences (0.0017% of background health incidence). All other PM_{2.5}-related health incidences ranged from 0.00022 to 1.89 (0.00027% to 0.0016% of background health incidence). For O₃-related health endpoints, the highest was emergency room visits for asthma, which was estimated to be 11.05 incidences (0.028% of background health incidence) for ages 0–17 and 14.59 incidences (0.019% of background health incidence) for ages 18–99 (City of San Jose 2019). Of the four examples discussed herein, the San Jose Airport resulted in the greatest O₃ incidences, which correlates with the estimated high emissions of O₃-precursors, specifically NO_x at 5,643 pounds per day. Nonetheless, the conclusion was that “when taken into context, the small increase in incidences and the very small percent of the number of background incidences indicate that these health impacts are negligible in a developed, urban environment” (City of San Jose 2019).

The IBEC project HIA provides another important data point for consideration. The IBEC project consists of an arena designed to host the LA Clippers basketball team with up to 18,000 fixed seats for National Basketball Association games and up to 500 additional temporary seats for events such as family shows, concerts, conventions, corporate events, and non-LA Clippers sporting events. The IBEC project is located within Los Angeles County within the jurisdictional boundaries of the SCAQMD (within the South Coast Air Basin). The IBEC EIR evaluated nine operational scenarios; across these multiple scenarios, the estimated maximum daily net increase in operational emissions of relevant pollutants was 94 pounds per day of VOC, 99 pounds per day of NO_x, 3 pounds per day of SO_x, and 89 pounds per day of PM_{2.5}.

The IBEC EIR analysis provided helpful context on using regional models for individual projects, as follows (City of Inglewood 2019):

Generally, models that correlate criteria air pollutant concentrations with specific health effects focus on regulatory decision-making that will apply throughout an entire air basin or region. These models focus on the region-wide health effects of pollutants so that regulators can assess the costs and benefits of adopting a proposed regulation that applies to an entire category of air pollutant sources, rather than the health effects related to emissions from a specific proposed project or source. Because of the scale of these analyses, any one project is likely to have only very small incremental effects which may be difficult to differentiate from the effects of air pollutant concentrations in an entire air basin. . . . For regional pollutants, it is difficult to trace a particular project’s criteria air pollutant emissions to a specific health effect. Moreover, the modeled results

may be misleading because the margin of error in such modeling is large enough that, even if the modeled results report a given health effect, the model is sufficiently imprecise that the actual effect may differ from the reported results; that is, the modeled results suggest precision, when in fact available models cannot be that precise on a project level.

For O₃-related health endpoints, emergency room visits for asthma was estimated to be 0.087 incidences per year for all studied age groups combined, 0.016 incidences per year of respiratory-related hospital admissions, and less than 0.02 incidences per year of mortality; the amount of estimated incremental health effects incidences is less than 0.0001% of the baseline number of health effects incidences in the study area.

A key finding from the IBEC HIA was that the for PM_{2.5}-related health endpoints, due to the very small changes in ambient PM_{2.5} concentrations as modeled by CMAQ, all of the estimated incremental health incidences were negative values. The IBEC HIA stated that this further confirms that the modeled PM_{2.5} concentrations are within the model's margin of error, no meaningful conclusions can be reached on the specific health effects that may be caused by the proposed project O₃ precursor and PM_{2.5} emissions, and health impacts may in fact be zero, and they would still be well within the models' margin of error (City of Inglewood 2019).

It is also important to note that while these results conclude that the project emissions do not result in a substantial increase in health incidences, the estimated emissions and assumed toxicity are also conservatively inputted into the HIA and thus, overestimate health incidences, particularly for PM_{2.5}. For example, as discussed in the San Jose Airport HIA (City of San Jose 2019),

The USEPA has also stated that results from various studies have shown the importance of considering particle size, composition, and particle source in determining the health impacts of PM. Further, USEPA found that studies have reported that particles from industrial sources and from coal combustion appear to be the most significant contributors to PM-related mortality, consistent with the findings by Rohr and Wyzga and others. This is particularly important to note here, as the majority of PM emissions generated from the Project are from entrained roadway dust, and not from combustion. Therefore, by not considering the relative toxicity of PM components, the results presented here are conservative.

As explained in the SJVAPCD brief and noted previously, running the PGM used for predicting O₃ attainment with the emissions solely from an individual project like the Friant Ranch project or the proposed project is not likely to yield valid information given the relative scale involved. The four examples discussed herein support the SJVAPCD's brief contention that consistent, reliable, and meaningful results may not be provided by methods applied at this time. Accordingly, additional work in the industry and more importantly, air district participation, is needed to develop a more meaningful analysis to correlate project-level mass criteria air pollutant emissions and health effects for decision makers and the public. Furthermore, at the time of writing, no HIA has concluded that health effects estimated using the PGM and BenMAP approach are substantial provided that the estimated project-generated incidences represent a very small percentage of the number of background incidences, potentially within the models' margin of error.

5 Evaluation of the Proposed Project's Health Effects

Based on the evaluation of methods available provided in Section 4, this evaluation does not attempt to quantify health effects, but builds upon the discussion provided in Sections 2 and 3 to disclose potential health effects associated with the proposed project. As explained in Section 2, the EPA and CARB have established AAQS at levels above which concentrations could be harmful to human health and welfare, with an adequate margin of safety. Further, California air districts (like NSAQMD) have established emission-based thresholds that provide project-level estimates of criteria air pollutant quantities that air basins can accommodate without affecting the attainment dates for the AAQS. Accordingly, elevated levels of criteria air pollutants as a result of a proposed project's emissions could cause adverse health effects associated with these pollutants.

In this case, ROG, NO_x, and PM₁₀ would be at either Level A or B and would be less-than-significant during all years of project construction and operation after mitigation. Because construction and operation of the project would not exceed the NSAQMD significance thresholds for ROG, NO_x, or PM₁₀, and because the NSAQMD thresholds are based on levels that the Mountain Counties Air Basin (MCAB) can accommodate without affecting the attainment date for the AAQS (the AAQS are established to protect public health and welfare), it is anticipated that the project would result in less-than-significant health effects associated with ROG, NO_x, and PM₁₀ during normal operations.

Health effects that result from NO_x (including NO₂) include respiratory irritation. NO_x emissions from project construction and operation would be at Level B. Construction and operation of the project is not anticipated to contribute to exceedances of the NAAQS or CAAQS for NO₂ because the MCAB is designated as in attainment of the NAAQS and CAAQS for NO₂, and the existing NO₂ concentrations in the area are well below the NAAQS and CAAQS standards.

Health effects associated with CO include chest pain in patients with heart disease, headache, light-headedness, and reduced mental alertness (See Section 3; CARB 2019i). CO tends to be a localized impact associated with congested intersections. The associated potential for CO hotspots were discussed in Section 2.5.3, Threshold AQ-3, of the AQ-GHG Technical Report, and were determined to be a less-than-significant impact.

At the time of preparation of this memorandum, there are no modeling tools, as explained above, that can provide reliable and meaningful additional information regarding the potential health effects or potential for further nonattainment days from criteria air pollutants generated by the proposed project.

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APPENDIX D

CO Hotspots Analysis

APPENDIX D

CO Hotspots Screening Evaluation

To verify that the project would not cause or contribute to a violation of the CO standards, a screening evaluation of the potential for CO hotspots was conducted. The California Department of Transportation (Caltrans) and the U.C. Davis Institute of Transportation Studies *Transportation Project-Level Carbon Monoxide Protocol* (CO Protocol) (Caltrans 1997) were followed. CO hotspots are typically evaluated when (1) the LOS of an intersection or roadway decreases to LOS E or worse, (2) signalization and/or channelization is added to an intersection, and (3) sensitive receptors such as residences, schools, and hospitals are located in the vicinity of the affected intersection or roadway segment. The potential for CO hotspots was evaluated based on the results of the traffic report. The Northern Sierra Air Quality Management District indicates that if a traffic study is performed for a project, it should identify any intersection(s) that would fall at Level of Service D or higher under the project alone or cumulative development scenarios, a carbon monoxide analysis should be prepared using CO Protocol or Caline 4, as appropriate. The traffic study should evaluate project alone and cumulative Level of Service impacts to such intersections, taking into consideration other planned and existing projects that could affect traffic at those intersections.

For each scenario (existing plus cumulative projects plus total project and horizon year plus total project), the screening evaluation presents LOS with project improvements (mitigation), whether the recommended improvements (mitigation measures) are feasible, and whether a quantitative CO hotspots analysis may be required. According to the CO Protocol, there is a cap on the number of intersections that need to be analyzed for any one project. For a single project with multiple intersections, only the three intersections representing the worst LOS ratings of the project, and, to the extent they are different intersections, the three intersections representing the highest traffic volumes, need be analyzed. For each intersection failing a screening test as described in this protocol, an additional intersection should be analyzed (Caltrans 1997).

Table 1 shows a summary of the Project's LOS for all 23 intersections evaluated for existing year 2019 and Table 2 shows horizon year 2035.

APPENDIX D (Continued)

Table 1
EPAP PLUS PROJECT –SR 49 (SCENARIO #2)
PEAK HOUR LEVELS OF SERVICE AT INTERSECTIONS
(OFF-PEAK HOURS)

Location	Control	EPAP plus Project 6:30 – 7:30 AM		EPAP plus Project 3:30 – 4:30 PM		EPAP plus Project 6:30 – 7:30 PM	
		LOS	Average Delay	LOS	Average Delay	LOS	Average Delay
1. Neal St / Tinloy St	Signal	A	5.0	A	8.6	A	6.8
2. S. Auburn St / Tinloy St	Signal	A	6.2	A	8.6	A	7.0
3. E. Bennett St / Tinloy St – SR 49 WB Off-Ramp	SB / WB Stop	A	3.8	A	6.4	A	4.1
4. E. Bennett St / Hansen Way – SR 49 EB On-Ramp	AWS	A	9.3	B	15.2	B	10.2
5. Main St / Idaho Maryland Rd - SR 49 WB Ramps	Roundabout	A	4.8	A	7.0	A	4.6
6. Idaho Maryland Rd / SR 49 EB Ramps	AWS	C	17.2	C	23.7	B	10.3
7. Idaho Maryland Rd / Railroad Ave	AWS	B	11.5	C	17.0	A	8.9
8. Main St / Brunswick Rd – W. Olympia Dr	Signal	A	6.1	B	13.5	A	9.0
9. Brunswick Rd / SR 49 WB Off-Ramp – Maltman Dr	Signal	B	16.8	C	20.3	B	16.4
10. Brunswick Rd / SR 49 EB Ramps	Signal	A	8.7	B	14.0	A	8.8
11. Brunswick Rd / Sutton Way	Signal	A	5.3	C	22.1	A	9.6
12. Brunswick Rd / Idaho Maryland Rd	EB/WB Stop	A	8.2	A	9.2	A	8.2
NB Left		A	7.9	A	8.9	A	7.9
SB Left		B	11.5	B	14.3	B	11.3
EB		D	26.7	F	107.3	C	18.8
13. Brunswick Rd / Whispering Pines Ln	EB Stop	A	8.8	A	9.1	A	8.5
NB Left		B	11.5	B	14.9	B	11.2
14. Brunswick Rd / E. Bennett Rd – Greenhorn Rd	AWS	B	12.7	C	20.7	B	12.4
15. Brunswick Rd / SR 174	SB Stop	B	13.0	E	38.1	B	13.0
SB		A	7.7	A	7.8	A	7.4
EB Left							

APPENDIX D (Continued)

Location	Control	EPAP plus Project 6:30 – 7:30 AM		EPAP plus Project 3:30 – 4:30 PM		EPAP plus Project 6:30 – 7:30 PM	
		LOS	Average Delay	LOS	Average Delay	LOS	Average Delay
16. Brunswick Rd / Project Driveway NB Left EB	EB Stop	A B	7.8 11.5	A B	8.4 12.5	A B	8.2 11.7
17. E. Bennett Rd / Millsite Rd NB	NB Stop	A	8.5	A	8.7	A	8.6
Whispering Pines Ln / Centennial Site Driveway	NB Stop	Not Applicable					
18. Idaho Maryland Rd / Centennial Dr NB WB Left	NB Stop	B A	12.2 8.4	F A	112.3 8.5	B A	10.8 7.7
Idaho Maryland Rd / Sutton Way	AWS	A	8.5	B	14.3	A	8.5
Sutton Way / Dorsey Dr	AWS	A	8.2	C	15.7	A	9.3
Dorsey Dr / SR 49 EB Ramps	Signal	A	9.0	B	13.7	A	8.4
Dorsey Dr / SR 49 WB Ramps	Signal	A	6.1	B	15.6	A	7.3

Notes: AWS – All-way stop controlled intersection; MSSC – Minor Street Stop controlled intersection; LOS – Level of service.
Bold indicates a LOS of E or worse.

APPENDIX D (Continued)

Table 2
CUMULATIVE PLUS PROJECT – TO SR 49 (SCENARIO #2)
PEAK HOUR LEVELS OF SERVICE AT INTERSECTIONS
(OFF-PEAK HOURS)

Location	Control	Cum plus Project 6:30 – 7:30 AM		Cum plus Project 3:30 – 4:30 PM		Cum plus Project 6:30 – 7:30 PM	
		LOS	Average Delay	LOS	Average Delay	LOS	Average Delay
1. Neal St / Tinloy St	Signal	A	7.2	A	9.7	B	12.4
2. S. Auburn St / Tinloy St	Signal	A	7.2	B	10.0	A	9.0
3. E. Bennett St / Tinloy St – SR 49 WB Off-Ramp	Signal	A	8.5	B	15.0	B	10.7
4. E. Bennett St / Hansen Way – SR 49 EB On-Ramp	Signal	B	10.9	B	12.9	B	10.2
5. Main St / Idaho Maryland Rd - SR 49 WB Ramps	Roundabout	A	5.3	A	8.4	A	5.0
6. Idaho Maryland Rd / SR 49 EB Ramps	Signal	B	13.3	B	19.6	B	12.0
7. Idaho Maryland Rd / Railroad Ave	Signal	B	11.7	B	19.4	B	12.4
8. Main St / Brunswick Rd – W. Olympia Dr	Signal	A	6.5	B	14.3	B	10.2
9. Brunswick Rd / SR 49 WB Off-Ramp – Maltman Dr	Signal	B	17.7	B	17.8	B	16.4
10. Brunswick Rd / SR 49 EB Ramps	Signal	A	8.2	B	14.9	A	8.7
11. Brunswick Rd / Sutton Way	Signal	A	5.3	C	30.0	B	10.7
12. Brunswick Rd / Idaho Maryland Rd	Signal	B	18.5	C	33.0	B	18.8
13. Brunswick Rd / Whispering Pines Ln	EB Stop	A	8.7	A	9.4	A	8.5
NB Left		B	11.6	C	20.0	B	11.3
14. Brunswick Rd / E. Bennett Rd – Greenhorn Rd	AWS	B	13.0	D	27.2	B	12.6
15. Brunswick Rd / SR 174	Signal	B	13.3	B	13.7	B	11.1
16. Brunswick Rd / Project Driveway	EB Stop	A	7.8	A	8.5	A	8.1
NB Left		B	11.4	B	12.9	B	12.2
17. E. Bennett Rd / Millsite Rd	NB Stop	A	8.6	A	8.7	A	8.6
NB							
19. Idaho Maryland Rd / Centennial DR	Signal	A	6.6	B	11.5	A	7.4
20. Idaho Maryland Rd / Sutton Way	Signal	B	11.7	B	19.7	B	10.9
21. Sutton Way / Dorsey Dr	AWS	A	9.1	F	214.3	B	10.5
22. Dorsey Dr / SR 49 EB Ramps	Signal	A	8.7	B	15.3	A	9.3

APPENDIX D (Continued)

Location	Control	Cum plus Project 6:30 – 7:30 AM		Cum plus Project 3:30 – 4:30 PM		Cum plus Project 6:30 – 7:30 PM	
		LOS	Average Delay	LOS	Average Delay	LOS	Average Delay
23. Dorsey Dr / SR 49 WB Ramps	Signal	A	5.8	B	17.6	A	8.5

Notes: AWS – All-way stop controlled intersection; MSSC – Minor Street Stop controlled intersection; LOS – Level of service.
Bold indicates a LOS of E or worse.

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Brunswick&IdahoMaryland2019
RUN: STANDARD RUN (WORST CASE ANGLE)
POLLUTANT: CO

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 797.1 (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 8.8 PPM
SIGTH= 10. DEGREES TEMP= 7.9 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (FT)				*		EF	H	W	
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(FT)	(FT)
A. WBRA	*	500	36	30	36	*	AG	27	4.4	0.0	33.0
B. WBTA	*	500	18	-30	18	*	AG	0	4.4	0.0	33.0
C. WBLA	*	500	-12	-18	-12	*	AG	49	4.4	0.0	33.0
D. WBD	*	-30	18	-500	18	*	AG	212	4.4	0.0	33.0
E. EBRA	*	-500	-12	30	-12	*	AG	200	4.4	0.0	33.0
F. EBTA	*	-500	-54	-18	-54	*	AG	0	4.4	0.0	33.0
G. EBLA	*	0	-36	500	-36	*	AG	0	4.4	0.0	33.0
H. EBD	*	12	-500	12	18	*	AG	136	4.4	0.0	33.0
I. NBLA	*	30	-500	30	-12	*	AG	211	4.4	0.0	33.0
J. NBTA	*	42	-500	42	-36	*	AG	478	4.4	0.0	33.0
K. NBRA	*	30	-12	30	500	*	AG	50	4.4	0.0	33.0
L. NBD	*	0	500	0	-36	*	AG	527	4.4	0.0	33.0
M. SBLA	*	-18	500	-18	-12	*	AG	86	4.4	0.0	33.0
N. SBTA	*	-30	500	-30	18	*	AG	464	4.4	0.0	33.0
O. SBRA	*	-18	-12	-18	-500	*	AG	1	4.4	0.0	33.0
P. SBD	*	-500	-36	0	-36	*	AG	691	4.4	0.0	33.0

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)		
	*	X	Y	Z
1. SR1	*	-40	25	5.9
2. SR2	*	40	45	5.9
3. SR3	*	-30	-60	5.9
4. SR4	*	50	-45	5.9

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Brunswick&IdahoMaryland2019
RUN: STANDARD RUN (WORST CASE ANGLE)
POLLUTANT: CO

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* * * * *	BRG (DEG)	* * * * *	PRED CONC (PPM)	* * * * *	A	B	C	CONC/LINK (PPM) D	E	F	G	H
1. SR1	*	8.	*	9.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. SR2	*	256.	*	9.1	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
3. SR3	*	6.	*	9.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. SR4	*	277.	*	9.3	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0

RECEPTOR	* * * * *	I	J	K	CONC/LINK (PPM) L	M	N	O	P
1. SR1	*	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.0
2. SR2	*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
3. SR3	*	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1
4. SR4	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Brunswick&SR1742019
RUN: STANDARD RUN (WORST CASE ANGLE)
POLLUTANT: CO

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 870.2 (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 8.8 PPM
SIGTH= 10. DEGREES TEMP= 7.9 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (FT)				*		EF	H	W	
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(FT)	(FT)
A. WBRA	*	500	36	30	36	*	AG	108	4.4	0.0	33.0
B. WBTA	*	500	18	-30	18	*	AG	0	4.4	0.0	33.0
C. WBLA	*	500	-12	-18	-12	*	AG	357	4.4	0.0	33.0
D. WBD	*	-30	18	-500	18	*	AG	0	4.4	0.0	33.0
E. EBRA	*	-500	-12	30	-12	*	AG	0	4.4	0.0	33.0
F. EBTA	*	-500	-54	-18	-54	*	AG	0	4.4	0.0	33.0
G. EBLA	*	0	-36	500	-36	*	AG	0	4.4	0.0	33.0
H. EBD	*	12	-500	12	18	*	AG	357	4.4	0.0	33.0
I. NBLA	*	30	-500	30	-12	*	AG	0	4.4	0.0	33.0
J. NBTA	*	42	-500	42	-36	*	AG	186	4.4	0.0	33.0
K. NBRA	*	30	-12	30	500	*	AG	276	4.4	0.0	33.0
L. NBD	*	0	500	0	-36	*	AG	294	4.4	0.0	33.0
M. SBLA	*	-18	500	-18	-12	*	AG	81	4.4	0.0	33.0
N. SBTA	*	-30	500	-30	18	*	AG	205	4.4	0.0	33.0
O. SBRA	*	-18	-12	-18	-500	*	AG	0	4.4	0.0	33.0
P. SBD	*	-500	-36	0	-36	*	AG	542	4.4	0.0	33.0

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)		
	*	X	Y	Z
1. SR1	*	-40	25	5.9
2. SR2	*	40	45	5.9
3. SR3	*	-30	-60	5.9
4. SR4	*	50	-45	5.9

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Brunswick&SR1742019
RUN: STANDARD RUN (WORST CASE ANGLE)
POLLUTANT: CO

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	*	* PRED *	CONC/LINK									
	* BRG	* CONC *	(PPM)									
	* (DEG)	* (PPM)	* A	B	C	D	E	F	G	H		
1. SR1	* 12.	* 9.1	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. SR2	* 188.	* 9.1	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
3. SR3	* 10.	* 9.1	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. SR4	* 347.	* 9.1	* 0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RECEPTOR	*	CONC/LINK							
	*	(PPM)							
	* I	J	K	L	M	N	O	P	
1. SR1	* 0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
2. SR2	* 0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
3. SR3	* 0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
4. SR4	* 0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: Brunswick&IdahoMaryland2019
 RUN: STANDARD RUN (WORST CASE ANGLE)
 POLLUTANT: CO

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 762.0 (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 8.8 PPM
 SIGTH= 10. DEGREES TEMP= 7.9 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (FT)				*		EF	H	W	
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(FT)	(FT)
A. WBRA	*	500	36	30	36	*	AG	0	4.4	0.0	33.0
B. WBTA	*	500	18	-30	18	*	AG	403	4.4	0.0	33.0
C. WBLA	*	500	-12	-18	-12	*	AG	12	4.4	0.0	33.0
D. WBD	*	-30	18	-500	18	*	AG	648	4.4	0.0	33.0
E. EBRA	*	-500	-12	30	-12	*	AG	120	4.4	0.0	33.0
F. EBTA	*	-500	-54	-18	-54	*	AG	299	4.4	0.0	33.0
G. EBLA	*	0	-36	500	-36	*	AG	0	4.4	0.0	33.0
H. EBD	*	12	-500	12	18	*	AG	336	4.4	0.0	33.0
I. NBLA	*	30	-500	30	-12	*	AG	245	4.4	0.0	33.0
J. NBTA	*	42	-500	42	-36	*	AG	0	4.4	0.0	33.0
K. NBRA	*	30	-12	30	500	*	AG	37	4.4	0.0	33.0
L. NBD	*	0	500	0	-36	*	AG	0	4.4	0.0	33.0
M. SBLA	*	-18	500	-18	-12	*	AG	0	4.4	0.0	33.0
N. SBTA	*	-30	500	-30	18	*	AG	0	4.4	0.0	33.0
O. SBRA	*	-18	-12	-18	-500	*	AG	0	4.4	0.0	33.0
P. SBD	*	-500	-36	0	-36	*	AG	132	4.4	0.0	33.0

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)		
	*	X	Y	Z
1. SR1	*	-40	25	5.9
2. SR2	*	40	45	5.9
3. SR3	*	-30	-60	5.9
4. SR4	*	50	-45	5.9

JOB: Brunswick&IdahoMaryland2019
RUN: STANDARD RUN (WORST CASE ANGLE)
POLLUTANT: CO

	*	CONC/LINK							
	*	(PPM)							
RECEPTOR	*	I	J	K	L	M	N	O	P
1. SR1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. SR2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SR3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
4. SR4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: Sutton&Dorsey2035
 RUN: STANDARD RUN (WORST CASE ANGLE)
 POLLUTANT: CO

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 791.9 (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 8.8 PPM
 SIGTH= 10. DEGREES TEMP= 7.9 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (FT)				*			EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	*	TYPE	VPH	(G/MI)	(FT)	(FT)
A. WBRA	*	500	36	30	36	*	AG	0	1.4	0.0	33.0
B. WBTA	*	500	18	-30	18	*	AG	0	1.4	0.0	33.0
C. WBLA	*	500	-12	-18	-12	*	AG	0	1.4	0.0	33.0
D. WBD	*	-30	18	-500	18	*	AG	565	1.4	0.0	33.0
E. EBRA	*	-500	-12	30	-12	*	AG	441	1.4	0.0	33.0
F. EBTA	*	-500	-54	-18	-54	*	AG	0	1.4	0.0	33.0
G. EBLA	*	0	-36	500	-36	*	AG	133	1.4	0.0	33.0
H. EBD	*	12	-500	12	18	*	AG	0	1.4	0.0	33.0
I. NBLA	*	30	-500	30	-12	*	AG	426	1.4	0.0	33.0
J. NBTA	*	42	-500	42	-36	*	AG	418	1.4	0.0	33.0
K. NBRA	*	30	-12	30	500	*	AG	0	1.4	0.0	33.0
L. NBD	*	0	500	0	-36	*	AG	551	1.4	0.0	33.0
M. SBLA	*	-18	500	-18	-12	*	AG	0	1.4	0.0	33.0
N. SBTA	*	-30	500	-30	18	*	AG	379	1.4	0.0	33.0
O. SBRA	*	-18	-12	-18	-500	*	AG	139	1.4	0.0	33.0
P. SBD	*	-500	-36	0	-36	*	AG	820	1.4	0.0	33.0

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)		
	*	X	Y	Z
1. SR1	*	-40	25	5.9
2. SR2	*	40	45	5.9
3. SR3	*	-30	-60	5.9
4. SR4	*	50	-45	5.9

JOB: Sutton&Dorsey2035
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 POLLUTANT: CO

[illegible]

	*	CONC/LINK							
	*	(PPM)							
RECEPTOR	*	I	J	K	L	M	N	O	P
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1. SR1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. SR2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SR3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. SR4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1